



STIC Search Report

EIC 1700

STIC Database Tracking Number: 180237

TO: John Hardee
Location: REM 9A41
Art Unit : 1751
February 27, 2006

Case Serial Number: 10/695282

From: Kathleen Fuller
Location: EIC 1700
REMSSEN 4B28
Phone: 571/272-2505
Kathleen.Fuller@uspto.gov

Search Notes

40

4/10/02



STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact the EIC searcher or contact:

Kathleen Fuller, EIC 1700 Team Leader
571/272-2505 REMSEN 4B28

Voluntary Results Feedback Form

- I am an examiner in Workgroup: Example: 1713
- Relevant prior art found, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art *not* found:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Access DB# 180231

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HARDET Examiner #: 7236 Date: 2/22/06
 Art Unit: 1751 Phone Number 30 21318 Serial Number: 157695,282
 Mail Box and Bldg/Room Location: 9A41 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Elected polymer w/ monomer as shown in claim 4. Polymer can be a copolymer. Don't worry about Kovats Index, RF or protocols.
 Thanks

SCIENTIFIC REFERENCE BR
 Sci & Tech Inf. Ctr

FEB 22 2006

Pat. & T.M. Office

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>K. Fuller</u>	NA Sequence (#) _____	STN <u>✓</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>2</u>	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: <u>2/27/06</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>40</u>	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>40</u>	Other _____	Other (specify) _____

subset

=> FILE REG

FILE 'REGISTRY' ENTERED AT 15:11:20 ON 27 FEB 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 FEB 2006 HIGHEST RN 875270-69-2

DICTIONARY FILE UPDATES: 26 FEB 2006 HIGHEST RN 875270-69-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> FILE HCAPL

FILE 'HCAPLUS' ENTERED AT 15:11:23 ON 27 FEB 2006

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FILE COVERS 1907 - 27 Feb 2006 VOL 144 ISS 10

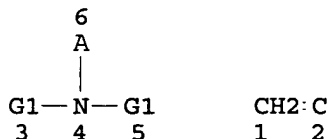
FILE LAST UPDATED: 26 Feb 2006 (20060226/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE

L5 SCR 2043
L7 STR



80,650 polymers

Ak @7

VAR G1=7/H

NODE ATTRIBUTES:

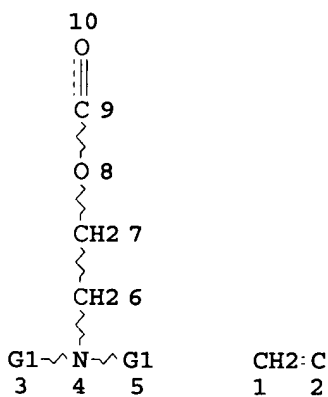
NSPEC IS RC AT 6
CONNECT IS M2 RC AT 2
CONNECT IS M2 RC AT 6
CONNECT IS E1 RC AT 7
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L10 80650 SEA FILE=REGISTRY SSS FUL L7 AND L5
L11 STR



*Subset search for
elected polymer*

19,979 polymers

VAR G1=H/AK

NODE ATTRIBUTES:

CONNECT IS M2 RC AT 2
CONNECT IS M3 RC AT 9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

L13 19979 SEA FILE=REGISTRY SUB=L10 SSS FUL L11
 L14 7942 SEA FILE=REGISTRY ABB=ON L13 AND 1-3/NC
 L15 13527 SEA FILE=HCAPLUS ABB=ON L14
 L16 4584 SEA FILE=HCAPLUS ABB=ON L15 (L) PREP/RL
 L17 3 SEA FILE=HCAPLUS ABB=ON L16 (L) PERFUM?
 L20 19596 SEA FILE=HCAPLUS ABB=ON L13
 L21 7003 SEA FILE=HCAPLUS ABB=ON L20 (L) PREP/RL
 L22 4 SEA FILE=HCAPLUS ABB=ON L21 (L) PERFUM?
 L23 69 SEA FILE=HCAPLUS ABB=ON L21 AND PERFUM?
 L26 2 SEA FILE=HCAPLUS ABB=ON L21 AND PERFUM? (3A) PARTICL?
 L27 9 SEA FILE=HCAPLUS ABB=ON L23 AND PARTICLE?
 L28 89 SEA FILE=HCAPLUS ABB=ON L21 AND (PERFUM? OR SCENT? OR ODOR?)
 L29 12 SEA FILE=HCAPLUS ABB=ON L28 AND PARTICLE?
 L30 15 SEA FILE=HCAPLUS ABB=ON L17 OR L22 OR L26 OR L27 OR L29

15 Ca references with particle

=> D L30 1-15 BIB ABS IND HITSTR

L30 ANSWER 1 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2005:1220343 HCAPLUS
 DN 143:478665
 TI Preparation of biodegradable grafted copolymers useful for ingredient delivery system
 IN Berthier, Damien; Ouali, Lahoussine
 PA Firmenich SA, Switz.
 SO PCT Int. Appl., 35 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005108471	A1	20051117	WO 2005-IB1179	20050502
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI EP 2004-101930 A 20040505

AB The invention concerns a biodegradable copolymer composition consisting of a polysaccharide backbone grafted with amphiphilic diblock copolymers, as well as a process for the preparation of such composition and a **particle** suitable for the release of active ingredients made of such a composition. Thus, 4 g hydroxypropyl cellulose and 12.77 mmol hexamethyldisilazane were reacted at 90° for 4 h, 200 mg of which was mixed with 7.06 g L-lactide, heated at 135° in the presence of tin octanoate for 72 h to give L-lactide-hydroxypropyl cellulose graft copolymer, 5.80 g of the resulting graft copolymer and 1.52 g 2-bromopropionyl bromide were reacted, 0.5 g of the resulting product was dissolved in anisole, 4.41 g 2-dimethylaminoethyl methacrylate was added therein and polymerized in the

presence of copper bromide at 60° for 3 h, and reacted with di-Me sulfate to give quaternized hydroxypropyl cellulose-L-lactide-dimethylaminoethyl methacrylate graft-block copolymer, the resulting copolymer was mixed with 50% linalool, showing good heat resistance suitable for a fragrance delivery system.

IC ICM C08G083-00
ICS A61K007-46; C08F251-00

CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 38, 62, 63

ST biodegradable grafted copolymer prepn ingredient delivery system; hydroxypropyl cellulose silylation; lactide hydroxypropyl cellulose dimethylaminoethyl methacrylate graft block copolymer quaternization; fragrance delivery system

IT Polyesters, preparation
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(acrylic, block, graft, cellulose-; preparation of biodegradable grafted copolymers useful for ingredient delivery system)

IT Polysaccharides, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(graft polymers, amphiphilic diblock-; preparation of biodegradable grafted copolymers useful for ingredient delivery system)

IT Biodegradable materials
Drug delivery systems
Flavor
Perfumes
(preparation of biodegradable grafted copolymers useful for ingredient delivery system)

IT 563-76-8DP, 2-Bromopropionyl bromide, reaction products with hydroxypropyl cellulose-lactide graft copolymer 999-97-3DP, Hexamethyldisilazane, reaction products with hydroxypropyl cellulose 9004-64-2DP, Hydroxypropylcellulose, reaction products with hexamethyldisilazane 247220-94-6P, 2-Hydroxypropylcellulose-L-lactide graft copolymer 869463-77-4P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of biodegradable grafted copolymers useful for ingredient delivery system)

IT 247220-94-6DP, 2-Hydroxypropylcellulose-L-lactide graft copolymer, reaction products with bromopropionyl bromide 869463-78-5P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation of biodegradable grafted copolymers useful for ingredient delivery system)

IT 77-78-1DP, Dimethylsulfate, reaction products with lactide hydroxypropyl cellulose dimethylaminoethyl methacrylate graft block copolymers 869463-77-4DP, quaternized with di-Me sulfate 869463-78-5DP, debutylated 869463-79-6P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of biodegradable grafted copolymers useful for ingredient delivery system)

IT 869463-77-4P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of biodegradable grafted copolymers useful for ingredient delivery system)

RN 869463-77-4 HCAPLUS

CN Cellulose, 2-hydroxypropyl ether, polymer with 2-(dimethylamino)ethyl 2-methyl-2-propenoate and (3S,6S)-3,6-dimethyl-1,4-dioxane-2,5-dione,

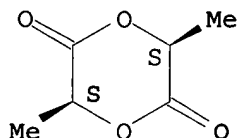
diblock, graft (9CI) (CA INDEX NAME)

CM 1

CRN 4511-42-6

CMF C6 H8 O4

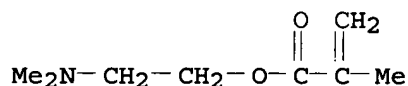
Absolute stereochemistry.



CM 2

CRN 2867-47-2

CMF C8 H15 N O2



CM 3

CRN 9004-64-2

CMF C3 H8 O2 . x Unspecified

CM 4

CRN 9004-34-6

CMF Unspecified

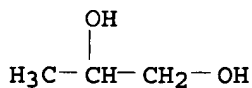
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 5

CRN 57-55-6

CMF C3 H8 O2



IT 869463-77-4DP, quaternized with di-Me sulfate 869463-79-6P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of biodegradable grafted copolymers useful for ingredient delivery system)

RN 869463-77-4 HCAPLUS

CN Cellulose, 2-hydroxypropyl ether, polymer with 2-(dimethylamino)ethyl

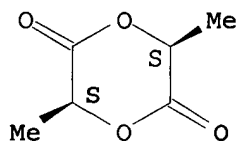
2-methyl-2-propenoate and (3S,6S)-3,6-dimethyl-1,4-dioxane-2,5-dione,
diblock, graft (9CI) (CA INDEX NAME)

CM 1

CRN 4511-42-6

CMF C6 H8 O4

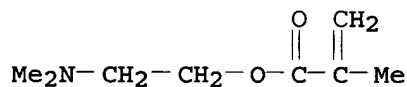
Absolute stereochemistry.



CM 2

CRN 2867-47-2

CMF C8 H15 N O2



CM 3

CRN 9004-64-2

CMF C3 H8 O2 . x Unspecified

CM 4

CRN 9004-34-6

CMF Unspecified

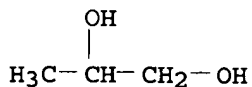
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 5

CRN 57-55-6

CMF C3 H8 O2



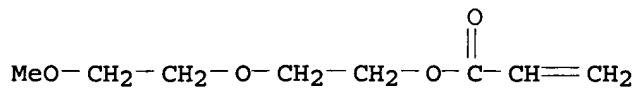
RN 869463-79-6 HCAPLUS

Cellulose, 2-hydroxypropyl ether, polymer with 2-(dimethylamino)ethyl
2-methyl-2-propenoate, (3S,6S)-3,6-dimethyl-1,4-dioxane-2,5-dione,
1,1-dimethylethyl 2-methyl-2-propenoate, 2-hydroxyethyl 2-propenoate and
2-(2-methoxyethoxy)ethyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 7328-18-9

CMF C8 H14 O4

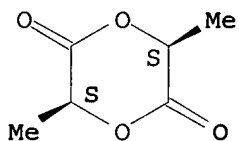


CM 2

CRN 4511-42-6

CMF C6 H8 O4

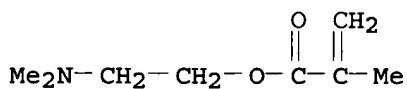
Absolute stereochemistry.



CM 3

CRN 2867-47-2

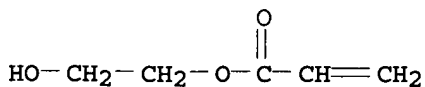
CMF C8 H15 N O2



CM 4

CRN 818-61-1

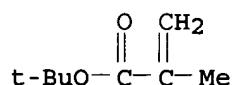
CMF C5 H8 O3



CM 5

CRN 585-07-9

CMF C8 H14 O2



CM 6

CRN 9004-64-2

CMF C3 H8 O2 . x Unspecified

CM 7

CRN 9004-34-6

CMF Unspecified

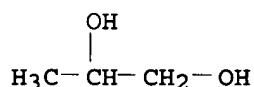
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 8

CRN 57-55-6

CMF C3 H8 O2



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 2 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1200313 HCAPLUS

DN 143:461006

TI Particulate compositions comprising vinyl polymer-encapsulated hydrophobic materials and their manufacture

IN Dungworth, Howard Roger; Weston, Rachel; Kelly, Rebecca

PA Ciba Specialty Chemicals Water Treatment Limited, UK

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005105291	A1	20051110	WO 2005-EP4116	20050418
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,				

MR, NE, SN, TD, TG

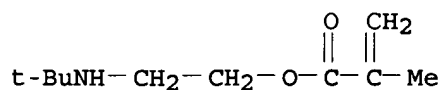
PRAI GB 2004-9570 A 20040429

- AB A composition comprising **particles** which comprise a core material within a polymeric shell, wherein the core material comprises a hydrophobic substance, in which the amount of the polymeric shell forms at least 8% of the total weight of the **particles**, wherein the polymeric shell comprises a copolymer formed from a monomer blend which comprises, (A) 5 to 90% by weight of an ethylenically unsatd. water soluble monomer, (B) 5 to 90% by weight of a multifunctional monomer, and (C) 0 to 55% by weight other monomer, and wherein the amount of the polymeric shell and the proportions of A, B and C are such that the **particles** exhibit a half height of at least 350°, i.e., temperature at which half of the capsule weight is lost. The invention includes a process for the manufacture of **particles** and the use of **particles** in articles, such as fabrics, and coating compns., especially for textiles. Typical capsules are manufactured by emulsion radical polymerization of methacrylic acid 27, butanediol diacrylate 24, and Me methacrylate 9 g in presence of 140 g octadecane.
- IC ICM B01J013-18
ICS D06M023-12
- CC 37-6 (Plastics Manufacture and Processing)
- ST heat resistant vinyl polymer encapsulated hydrophobic material granulate; methacrylic acid butanediol diacrylate methyl methacrylate copolymer encapsulated octadecane
- IT Acrylic polymers, uses
Polyurethanes, uses
RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
(coating binder; particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance for inclusion in textile coatings)
- IT Polymerization
(emulsion, radical; of water-soluble ethylenically unsatd. monomers with multifunctional monomers in manuf of capsules of hydrophobic materials with improved heat resistance)
- IT Antioxidants
Biocides
Corrosion inhibitors
Detergent builders
Dispersing agents
Dyes
Fireproofing agents
Optical reflectors
Perfumes
Phase change materials
Pigments, nonbiological
Pour-point depressants
Scale inhibitors
Tracers
UV stabilizers
(encapsulated material; particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance)
- IT Enzymes, processes
Hydrocarbon oils
Hydrocarbons, processes
Polysiloxanes, processes
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(encapsulated material; particulate compns. comprising vinyl

- polymer-encapsulated hydrophobic materials with improved heat resistance)
- IT Paper
(packaging; particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance for inclusion in paper packaging)
- IT Paperboard
(packaging; particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance for inclusion in paperboard packaging)
- IT Packaging materials
(paper; particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance for inclusion in paper packaging)
- IT Capsules
Heat-resistant materials
(particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance)
- IT Synthetic polymeric fibers, miscellaneous
RL: MSC (Miscellaneous)
(particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance for inclusion in synthetic polymeric fibers)
- IT Coating materials
(particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance for inclusion in textile coatings)
- IT Textiles
(particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance for inclusion in textiles)
- IT 593-45-3, Octadecane
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(encapsulated material; particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance)
- IT 623148-14-1P, 1,4-Butanediol diacrylate-methacrylic acid-methyl methacrylate copolymer 869083-09-0P, 1,4-Butanediol diacrylate-itaconic acid-methyl methacrylate copolymer 869083-11-4P, 1,4-Butanediol diacrylate-tert-butylaminoethyl methacrylate copolymer 869083-13-6P, 1,4-Butanediol diacrylate-tert-butylaminoethyl methacrylate-methyl methacrylate copolymer 869083-15-8P, 1,4-Butanediol diacrylate-2-methacryloyloxyethyltrimethylammonium chloride copolymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance)
- IT 869083-11-4P, 1,4-Butanediol diacrylate-tert-butylaminoethyl methacrylate copolymer 869083-13-6P, 1,4-Butanediol diacrylate-tert-butylaminoethyl methacrylate-methyl methacrylate copolymer 869083-15-8P, 1,4-Butanediol diacrylate-2-methacryloyloxyethyltrimethylammonium chloride copolymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(particulate compns. comprising vinyl polymer-encapsulated hydrophobic materials with improved heat resistance)
- RN 869083-11-4 HCAPLUS
- CN 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester, polymer with 1,4-butanediyl di-2-propenoate (9CI) (CA INDEX NAME)

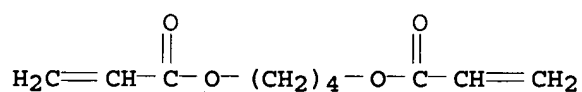
CM 1

CRN 3775-90-4
CMF C10 H19 N O2



CM 2

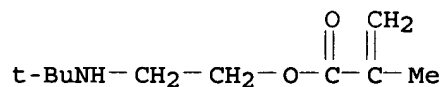
CRN 1070-70-8
CMF C10 H14 O4



RN 869083-13-6 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester,
polymer with 1,4-butanediyl di-2-propenoate and methyl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

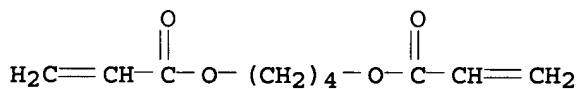
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CRN 3775-90-4
CMF C10 H19 N O2



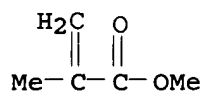
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CRN 1070-70-8
CMF C10 H14 O4



CM 3

CRN 80-62-6
CMF C5 H8 O2



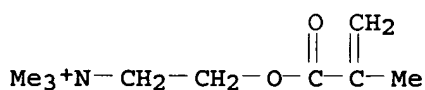
RN 869083-15-8 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with 1,4-butanediyl di-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 5039-78-1

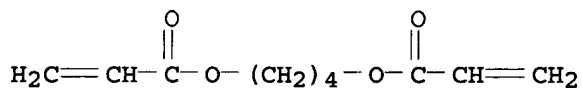
CMF C9 H18 N O2 . Cl

● Cl⁻

CM 2

CRN 1070-70-8

CMF C10 H14 O4



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 3 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:15924 HCAPLUS

DN 142:96353

TI Lipophilic fluid cleaning compositions capable of delivering scent

IN Baker, Keith Homer; Hartshorn, Richard Timothy; Dykstra, Robert Richard; Scheper, William Michael; Sivik, Mark Robert; Haught, John Christian

PA The Procter & Gamble Company, USA

SO U.S. Pat. Appl. Publ., 10 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005003980	A1	20050106	US 2004-874842	20040623
	CA 2526310	AA	20050113	CA 2004-2526310	20040628
	WO 2005003434	A2	20050113	WO 2004-US20614	20040628
	WO 2005003434	A3	20051006		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

PRAI US 2003-483359P P 20030627

WO 2004-US20614 W 20040628

AB The present invention relates to a composition and/or system comprising a perfume composition for use in a lipophilic fluid fabric treatment system and methods of making and using same. Such composition provides perfume/fabric substantivity. Thus, 0.01% an amine product obtained from Lupasol G 100 and Damascone was added to a lipophilic fluid and mixed for 1-3 min, 0.015% a benefit agent was added to the amine-containing lipophilic fluid composition and mixed for 5 min to give a lipophilic cleaning fluid composition

IC ICM D06L001-00

INCL 510276000

CC 46-5 (Surface Active Agents and Detergents)

Section cross-reference(s): 40

ST lipophilic fluid cleaning compn delivering scent; Lupasol Damascone reaction product lipophilic cleaning fluid compn

IT Zeolites (synthetic), uses

RL: TEM (Technical or engineered material use); USES (Uses)

(activated, perfume delivery system; lipophilic fluid cleaning comps. capable of delivering scent)

IT Detergents

(cleaning comps., lipophilic; lipophilic fluid cleaning comps. capable of delivering scent)

IT Detergents

(laundry; lipophilic fluid cleaning comps. capable of delivering scent)

IT Perfumes

(lipophilic fluid cleaning comps. capable of delivering scent)

IT Aminoplasts

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(lipophilic fluid cleaning comps. capable of delivering scent)

IT Solvents

(lipophilic; lipophilic fluid cleaning comps. capable of delivering scent)

IT Latex

(micro, perfume delivery system; lipophilic fluid cleaning comps. capable of delivering scent)

IT Microcapsules

(perfume delivery system; lipophilic fluid cleaning comps. capable of delivering scent)

IT Textiles

(substrates; lipophilic fluid cleaning comps. capable of delivering scent)

IT 9002-88-4, Polywax 500

RL: MOA (Modifier or additive use); USES (Uses)

(carrier; lipophilic fluid cleaning comps. capable of delivering scent)

IT 62306-33-6, Octamethylcyclopentasiloxane

RL: TEM (Technical or engineered material use); USES (Uses)

(fluid; lipophilic fluid cleaning compns. capable of delivering scent)

IT 9011-05-6P, Formaldehyde-urea copolymer
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(microcapsule, perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

IT 9004-32-4, Carboxymethyl cellulose
RL: TEM (Technical or engineered material use); USES (Uses)
(microcapsule, perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

IT 819757-96-5P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(microparticle, perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

IT 819758-04-8P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(nanolatex, perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

IT 80111-68-8DP, Damascone, reaction products with Lupasol
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); PREP (Preparation); USES (Uses)
(perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

IT 9002-98-6DP, Lupasol G 100, reaction products with Damascone
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

IT 9004-34-6, Cellulose, uses 9005-25-8, Starch, uses 9005-25-8D, Starch, hydrogenated and hydrolyzed 12619-70-4, Cyclodextrin 204866-68-2, Polysorb RA 1000
RL: TEM (Technical or engineered material use); USES (Uses)
(perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

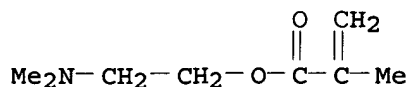
IT 9002-98-6, Lupasol G 100 80111-68-8, Damascone
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant in perfume delivery system preparation; lipophilic fluid cleaning compns. capable of delivering scent)

IT 819757-96-5P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(microparticle, perfume delivery system; lipophilic fluid cleaning compns. capable of delivering scent)

RN 819757-96-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1,4-butanediyl di-2-propenoate, 1,1-dimethylethyl 2,2-dimethylpropaneperoxoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

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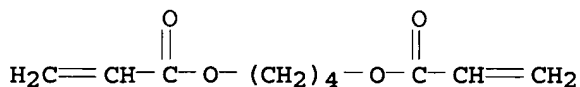
CRN 2867-47-2
CMF C8 H15 N O2



CM 2

CRN 1070-70-8

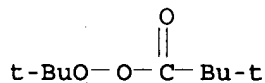
CMF C10 H14 O4



CM 3

CRN 927-07-1

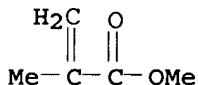
CMF C9 H18 O3



CM 4

CRN 80-62-6

CMF C5 H8 O2



IT 819758-04-8P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(nanolatex, perfume delivery system; lipophilic fluid cleaning comps. capable of delivering scent)

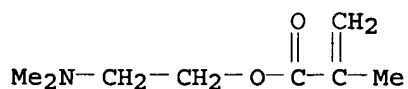
RN 819758-04-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1,4-butanediyl di-2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

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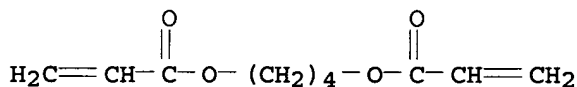
CMF C8 H15 N O2



CM 2

CRN 1070-70-8

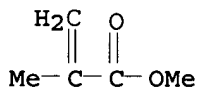
CMF C10 H14 O4



CM 3

CRN 80-62-6

CMF C5 H8 O2



L30 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:965137 HCAPLUS

DN 141:412991

TI Particulate emulsifiers, emulsions and uses thereof

IN Binks, Bernard P.; Armes, Steven P.; Whitby, Catherine P.; Amalvy, Javier I.

PA The University of Sussex, UK; The University of Hull

SO PCT Int. Appl., 88 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004096422	A1	20041111	WO 2004-GB1913	20040429
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	GB 2403920	A1	20050119	GB 2004-9558	20040429
PRAI	GB 2003-9931	A	20030430		
AB	Use of a particulate emulsifier comprising at least one polymer, in an				

oil-in water or water-in-oil emulsion, wherein the hydrophilic/hydrophobic balance of the polymer can be varied on application of a stimulus to break the emulsion, or to cause phase inversion.

IC ICM B01F017-00

CC 48-11 (Unit Operations and Processes)
Section cross-reference(s): 35, 38, 46, 66

ST particulate block graft copolymer emulsifier emulsion emulsification phase inversion; acrylic polymer pH sensitive steric stabilization inverse emulsion demulsifier; core shell graft polymn seeded group transfer emulsion stabilizer

IT Amphoteric materials
(amphiphilic, block polymeric stabilizers; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Polymerization
(anionic; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Polymerization
(batch, emulsion; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Emulsification
Emulsifying agents
Emulsions
Latex
Micelles
Microgels
Stabilizing agents
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Polymers, processes
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)
(block, diblock; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Chemical chains
(conformation of, responds to stimulus; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Acrylic polymers, processes
RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
(copolymers and block-graft copolymers of; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Polymer morphology
(core-shell, emulsion polymerization and use of; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Coagulation
(deemulsification; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Polymerization
(dispersion; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Phase transition
(emulsion phase inversion; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT Electric double layer
Steric effects
(emulsion stabilization; block and graft copolymer particulate

- emulsifiers and stabilizers, emulsions and uses thereof)
- IT Polymerization
 - (emulsion, radical; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Polymerization
 - (emulsion, seed; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Agrochemicals
 - Cosmetics
 - Flavoring materials
 - Food additives
 - Health products
 - Odor and Odorous substances
 - (emulsions containing; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Polymerization
 - (group-transfer; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Solubility
 - (in water, responds to stimulus; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Materials
 - (inorg., core of core-shell polymeric stabilizers; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Particle size
 - (of particles, 1-10000 nm; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Hydrophile-lipophile balance value
 - (of polymer and particulate emulsifier, varies with pH; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Alkenes, uses
 - RL: TEM (Technical or engineered material use); USES (Uses)
 - (polymers and copolymers of; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Hydration, chemical
 - Interfacial tension
 - Protonation
 - Solvation
 - (responds to stimulus; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Ionic strength
 - pH
 - (stimulus for response; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Amines, uses
 - RL: TEM (Technical or engineered material use); USES (Uses)
 - (tertiary, reaction products, methacrylates terminating in, block copolymers containing; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT Emulsions
 - (water-in-oil; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 78-67-1, AIBN 110-18-9, N,N,N',N'-Tetramethylethylenediamine 121-44-8, Triethylamine, uses 2638-94-0, 4,4'-Azobis(4-cyanovaleric acid) 2997-92-4 7727-54-0, Ammonium persulfate
 - RL: CAT (Catalyst use); USES (Uses)
 - (block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

- IT 123-31-9, Hydroquinone, uses 151-21-3, Sodium dodecyl sulfate, uses 1310-73-2, Sodium hydroxide, uses 7647-01-0, Hydrochloric acid, uses 9005-65-6, Tween 80
RL: MOA (Modifier or additive use); USES (Uses)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 55972-61-7P 86112-81-4P, 1-Pyrenylmethyl methacrylate-Styrene copolymer 88823-21-6P 784178-48-9P 792188-68-2P 792188-69-3P 792188-70-6P 792915-48-1P 792915-49-2P
RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); SPN (Synthetic preparation); **PREP (Preparation)**; PROC (Process); USES (Uses)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 26915-72-0, Poly(ethylene glycol) methacrylate methyl ether
RL: MOA (Modifier or additive use); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 64-17-5, Ethanol, uses
RL: NUU (Other use, unclassified); USES (Uses)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 9081-45-2P 704902-63-6P, 2-(Dimethylamino)ethyl methacrylate-methyl methacrylate diblock copolymer
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); **PREP (Preparation)**; PROC (Process); RACT (Reactant or reagent)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 9003-53-6P, Polystyrene 736993-27-4P 792188-67-1P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); SPN (Synthetic preparation); **PREP (Preparation)**; PROC (Process)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 86112-79-0P, 1-Pyrenylmethyl methacrylate
RL: PEP (Physical, engineering or chemical process); PUR (Purification or recovery); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); **PREP (Preparation)**; PROC (Process); RACT (Reactant or reagent)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 112-40-3, n-Dodecane 544-76-3, n-Hexadecane 628-63-7, n-Amyl acetate
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
- IT 77-77-0, Divinyl sulfone 80-62-6, Methyl methacrylate 97-90-5, Ethylene glycol dimethacrylate 100-42-5, Styrene, reactions 105-16-8, 2-(Diethylamino)ethyl methacrylate 106-91-2, Glycidyl methacrylate 920-46-7, Methacryloyl chloride 2867-47-2, 2-(Dimethylamino)ethyl methacrylate 16715-83-6, 2-(Diisopropylamino)ethyl methacrylate 24463-15-8, 1-Pyrenemethanol 52496-08-9, Poly(propylene glycol) diacrylate
RL: RCT (Reactant); RACT (Reactant or reagent)
(block and graft copolymer particulate emulsifiers and stabilizers,

emulsions and uses thereof)

IT 74-85-1D, Ethene, polymers and copolymers of 75-01-4D, Vinyl chloride, polymers and copolymers of 75-21-8D, Ethylene oxide, block copolymers containing 79-06-1D, Acrylamide, polymers and copolymers of 79-10-7D, Acrylic acid, polymers and copolymers of 79-41-4D, Methacrylic acid, alkyl and other esters, polymers and copolymers of 79-41-4D, Methacrylic acid, polymers and copolymers of 88-12-0D, polymers and copolymers of 100-42-5D, Styrene, seeded block-graft polymers and copolymers of 105-16-8D, 2-(Diethylamino)ethyl methacrylate, polymers and copolymers of 107-13-1D, Acrylonitrile, polymers and copolymers of 108-05-4D, Vinyl acetate, polymers and copolymers of 126-99-8D, Chloroprene, polymers and copolymers of 1663-39-4D, tert-Butyl acrylate, polymers and copolymers of 2867-47-2D, 2-(Dimethylamino)ethyl methacrylate, polymers and copolymers of 16715-83-6D, 2-(Diisopropylamino)ethyl methacrylate, polymers and copolymers of 20769-99-7D, polymers and copolymers of 81772-48-7D, polymers and copolymers of

RL: TEM (Technical or engineered material use); USES (Uses)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT 471-34-1, Calcium carbonate, uses 1309-37-1, Iron oxide (Fe2O3), uses 1344-28-1, Alumina, uses 7631-86-9, Silica, uses 7727-43-7, Barium sulfate 7778-18-9, Calcium sulfate

RL: TEM (Technical or engineered material use); USES (Uses)
(core of core-shell polymeric stabilizers; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT 67-56-1, Methanol, uses

RL: NUU (Other use, unclassified); USES (Uses)
(cosolvent in continuous phase for emulsions; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT 73342-17-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(d.p. 46; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT 110-27-0, Isopropyl myristate 112-42-5, 1-Undecanol 124-10-7, Methyl myristate 470-82-6

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); PROC (Process)
(emulsions of; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT 366-18-7, 2,2'-Bipyridine 7758-89-6, Copper chloride (CuCl)

RL: CAT (Catalyst use); RCT (Reactant); RACT (Reactant or reagent); USES (Uses)
(precursor; block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

IT 55972-61-7P 88823-21-6P 784178-48-9P
792188-68-2P 792188-69-3P 792188-70-6P
792915-48-1P 792915-49-2P

RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); USES (Uses)
(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

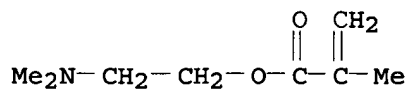
RN 55972-61-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethenylbenzene and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2

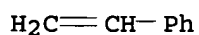
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CM 2

CRN 100-42-5

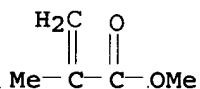
CMF C8 H8



CM 3

CRN 80-62-6

CMF C5 H8 O2



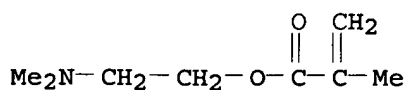
RN 88823-21-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with
2-(dimethylamino)ethyl 2-methyl-2-propenoate and ethenylbenzene (9CI) (CA
INDEX NAME)

CM 1

CRN 2867-47-2

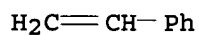
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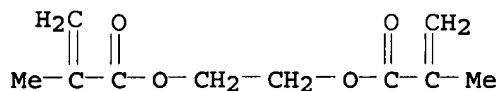
CMF C8 H8



CM 3

CRN 97-90-5

CMF C10 H14 O4



RN 784178-48-9 HCAPLUS

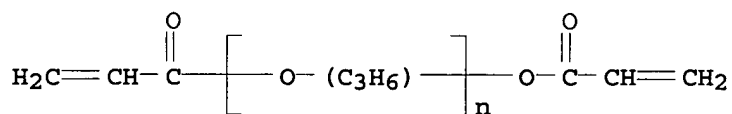
CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with
 α -(1-oxo-2-propenyl)- ω -[(1-oxo-2-propenyl)oxy]poly[oxy(methyl-
1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 52496-08-9

CMF (C3 H6 O)_n C6 H6 O3

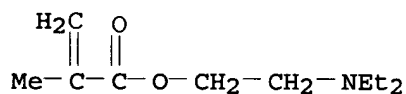
CCI IDS, PMS



CM 2

CRN 105-16-8

CMF C10 H19 N O2



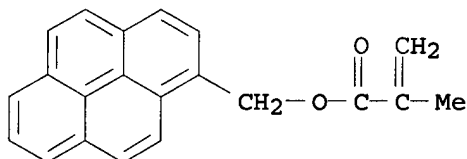
RN 792188-68-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
ethenylbenzene, methyl 2-methyl-2-propenoate and 1-pyrenylmethyl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

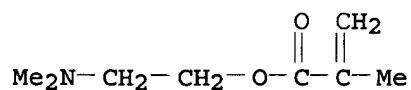
CRN 86112-79-0

CMF C21 H16 O2



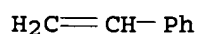
CM 2

CRN 2867-47-2
CMF C8 H15 N O2



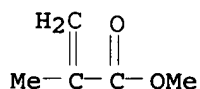
CM 3

CRN 100-42-5
CMF C8 H8



CM 4

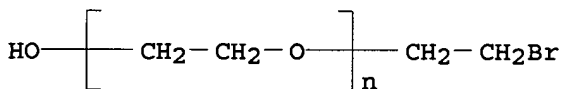
CRN 80-62-6
CMF C5 H8 O2



RN 792188-69-3 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with
 α -(2-bromoethyl)- ω -hydroxypoly(oxy-1,2-ethanediyl) and
oxiranylmethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

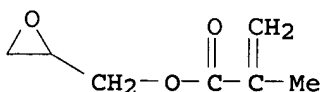
CM 1

CRN 73342-17-3
CMF (C2 H4 O)_n C2 H5 Br O
CCI PMS



CM 2

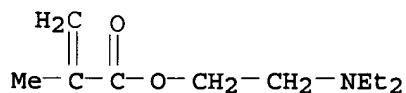
CRN 106-91-2
CMF C7 H10 O3



CM 3

CRN 105-16-8

CMF C10 H19 N O2



RN 792188-70-6 HCAPLUS

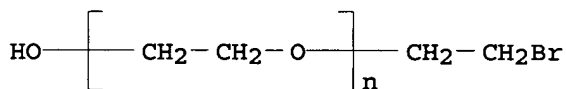
CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with
 α -(2-bromoethyl)- ω -hydroxypoly(oxy-1,2-ethanediyl),
 oxiranylmethyl 2-methyl-2-propenoate and 1,1'-sulfonylbis[ethene] (9CI)
 (CA INDEX NAME)

CM 1

CRN 73342-17-3

CMF (C2 H4 O)_n C2 H5 Br O

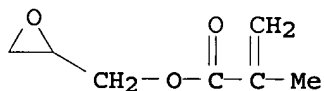
CCI PMS



CM 2

CRN 106-91-2

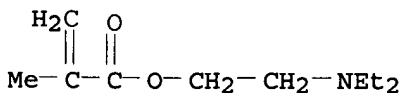
CMF C7 H10 O3



CM 3

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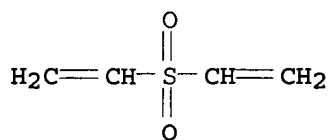
CMF C10 H19 N O2



CM 4

CRN 77-77-0

CMF C4 H6 O2 S



RN 792915-48-1 HCAPLUS

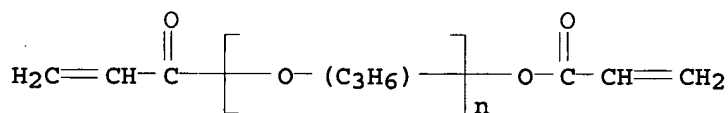
CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with α -(2-methyl-1-oxo-2-propenyl)- ω -methoxypoly(oxy-1,2-ethanediyl) and α -(1-oxo-2-propenyl)- ω -[(1-oxo-2-propenyl)oxy]poly[oxy(methyl-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

CM 1

CRN 52496-08-9

CMF (C3 H6 O)_n C6 H6 O3

CCI IDS, PMS

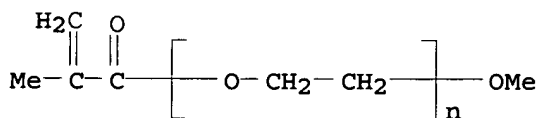


CM 2

CRN 26915-72-0

CMF (C2 H4 O)_n C5 H8 O2

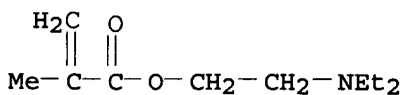
CCI PMS



CM 3

CRN 105-16-8

CMF C10 H19 N O2

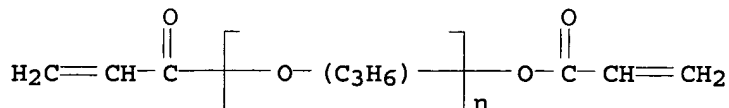


RN 792915-49-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[bis(1-methylethyl)amino]ethyl ester, polymer with α -(2-methyl-1-oxo-2-propenyl)- ω -methoxypoly(oxy-1,2-ethanediyl) and α -(1-oxo-2-propenyl)- ω -[(1-oxo-2-propenyl)oxy]poly[oxy(methyl-1,2-ethanediyl)] (9CI) (CA INDEX NAME)

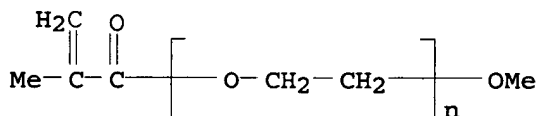
CM 1

CRN 52496-08-9
 CMF (C3 H6 O)_n C6 H6 O3
 CCI IDS, PMS



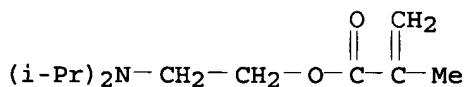
CM 2

CRN 26915-72-0
 CMF (C2 H4 O)_n C5 H8 O2
 CCI PMS



CM 3

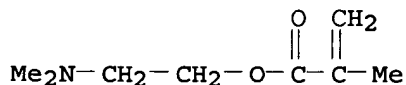
CRN 16715-83-6
 CMF C12 H23 N O2



IT 704902-63-6P, 2-(Dimethylamino)ethyl methacrylate-methyl methacrylate diblock copolymer
 RL: PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); RCT (Reactant); SPN (Synthetic preparation); **PREP (Preparation)**; PROC (Process); RACT (Reactant or reagent)
 (block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)
 RN 704902-63-6 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with methyl 2-methyl-2-propenoate, diblock (9CI) (CA INDEX NAME)

CM 1

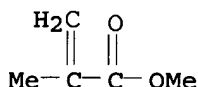
CRN 2867-47-2
 CMF C8 H15 N O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



IT 736993-27-4P

RL: PEP (Physical, engineering or chemical process); PRP (Properties); PUR (Purification or recovery); PYP (Physical process); SPN (Synthetic preparation); **PREP (Preparation)**; PROC (Process)

(block and graft copolymer particulate emulsifiers and stabilizers, emulsions and uses thereof)

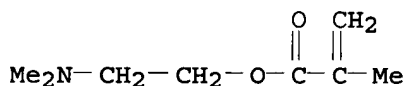
RN 736993-27-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethenylbenzene, diblock (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2

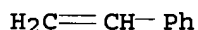
CMF C8 H15 N O2



CM 2

CRN 100-42-5

CMF C8 H8



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 5 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:412786 HCAPLUS

DN 140:428710

TI **Perfume polymeric particles**

IN Jordan, Glenn Thomas, IV; Kluesener, Bernard William; Sivik, Mark Robert; Santamarina, Vicente; Dykstra, Robert Richard; Lebedev, Nathalia; Gallon, Lois Sara; Baker, Ellen Schmidt; Amrhein, Patrick; Boeckh, Dieter; . Frenzel, Stefan; Jahns, Ekkehard; Schwendemann, Volker

PA The Procter & Gamble Company, USA; BASF Aktiengesellschaft

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA English

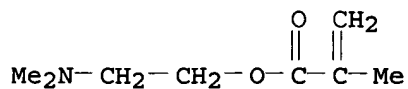
applicants

FAN.CNT 1

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PI	WO 2004041232	A1	20040521	WO 2003-US34676	20031031
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2004110648	A1	20040610	US 2003-695282	20031028
	CA 2504386	AA	20040521	CA 2003-2504386	20031031
	EP 1562542	A1	20050817	EP 2003-778025	20031031
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	US 2002-423107P	P	20021101		
	WO 2003-US34676	W	20031031		
AB	Perfume polymeric particles, polymeric particles having affinities for certain perfume raw materials, compns. containing them and methods for making the same are provided. An acrylate-styrene copolymer microparticle suspension was prepared having solid contents of 31.1% and a volume median particle size of 9.6 µm. A perfume composition for use in fabric softener contained DEQA 19.0, hydrochloric acid 0.02, soil release polymer 0.02, PEG 0.6, perfume 1.0, above polymeric particles 2.0, electrolyte 600 ppm, dye 50 ppm, and water q.s. for balance.				
IC	ICM A61K007-46				
CC	62-5 (Essential Oils and Cosmetics)				
	Section cross-reference(s): 35, 38				
ST	perfume particle acrylate styrene polymer fabric softener				
IT	Particle size				
	Perfumes				
	(perfume polymeric particles)				
IT	Acrylic polymers, biological studies				
	Polymers, biological studies				
	RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(perfume polymeric particles)				
IT	26222-42-4				
	RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)				
	(perfume polymeric particles)				
IT	9011-14-7P 51998-24-4P 55972-61-7P 63889-83-8P				
	72783-16-5P 691367-52-9P 691367-53-0P				
	691367-54-1P				
	RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(perfume polymeric particles)				
IT	51998-24-4P 55972-61-7P 63889-83-8P				
	72783-16-5P 691367-52-9P 691367-53-0P				
	RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(perfume polymeric particles)				
RN	51998-24-4 HCAPLUS				
CN	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with methyl 2-methyl-2-propenoate and 2-propenoic acid (9CI) (CA INDEX NAME)				

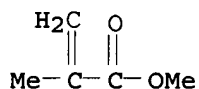
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CRN 2867-47-2
 CMF C8 H15 N O2



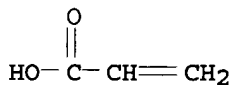
CM 2

CRN 80-62-6
 CMF C5 H8 O2



CM 3

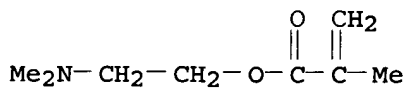
CRN 79-10-7
 CMF C3 H4 O2



RN 55972-61-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
 ethenylbenzene and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

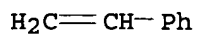
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CRN 2867-47-2
 CMF C8 H15 N O2

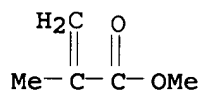


CM 2

CRN 100-42-5
 CMF C8 H8



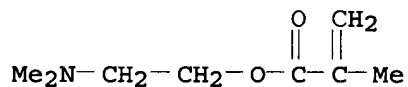
CM 3

CRN 80-62-6
CMF C5 H8 O2

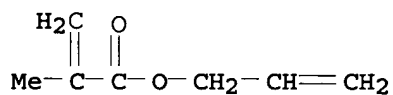
RN 63889-83-8 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with methyl 2-methyl-2-propenoate and 2-propenyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

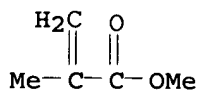
CM 1

CRN 2867-47-2
CMF C8 H15 N O2

CM 2

CRN 96-05-9
CMF C7 H10 O2

CM 3

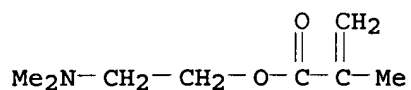
CRN 80-62-6
CMF C5 H8 O2

RN 72783-16-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 2-ethylhexyl 2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

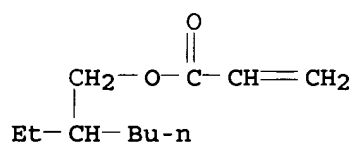
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



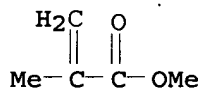
CM 2

CRN 103-11-7
CMF C11 H20 O2



CM 3

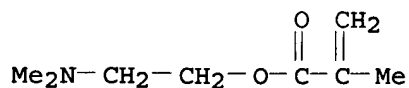
CRN 80-62-6
CMF C5 H8 O2



RN 691367-52-9 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1,4-butanediyl di-2-propenoate, ethenol and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

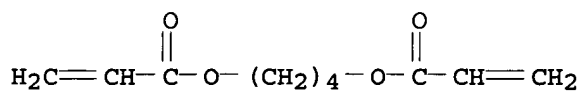
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



CM 2

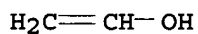
CRN 1070-70-8
CMF C10 H14 O4



CM 3

CRN 557-75-5

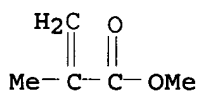
CMF C2 H4 O



CM 4

CRN 80-62-6

CMF C5 H8 O2



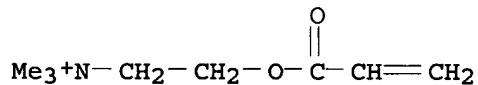
RN 691367-53-0 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxyl]-, chloride,
polymer with ethenol and methyl 2-methyl-2-propenoate (9CI) (CA INDEX
NAME)

CM 1

CRN 44992-01-0

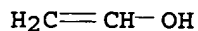
CMF C8 H16 N O2 . Cl

● Cl⁻

CM 2

CRN 557-75-5

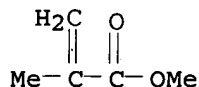
CMF C2 H4 O



CM 3

CRN 80-62-6

CMF C5 H8 O2



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 6 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STM

AN 2002:408493 HCAPLUS

DN 137:10698

TI Cosmetic compositions containing a water soluble polymer in the form of a dispersion

IN Giroud, Franck

PA L'Oreal, Fr.

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002041856	A1	20020530	WO 2001-FR3481	20011109
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2816833	A1	20020524	FR 2000-15035	20001121
FR 2816833	B1	20030207		
AU 2002018345	A5	20020603	AU 2002-18345	20011109
PRAI FR 2000-15035	A	20001121		
WO 2001-FR3481	W	20011109		

AB The invention concerns the use of a water soluble polymer in the form of a dispersion obtainable by polymerizing at least a water soluble monomer comprising at least a double bond, in a saline aqueous solution containing at least a dispersing agent consisting of a polyelectrolyte soluble in said saline aqueous solution, and at least an agent preventing viscosity increase. The invention also concerns a cosmetic composition comprising such a polymer and a cosmetic treatment method for keratinous materials using said cosmetic composition A solution containing pyrogallol 2500, p-hydroxybenzoic acid 50 ppm, acryloyloxyethyltrimethylbenzyl ammonium chloride (30 mol % polymer), acryloyloxyethyltrimethylbenzyl ammonium chloride (50 mol % polymer), and acrylamide (20 mol % polymer) 25%, poly(dimethyldiallylammonium chloride) 1, poly(methacryloyloxy ethyltrimethylammonium chloride) 1, ammonium sulfate 19, water q.s. 100% was heated at 48° for 10 h to obtain a polymer dispersion having particle diameter of 10-20 µm. Formulation of a shampoo containing above polymer 0.2% is disclosed.

IC ICM A61K007-06

ICS C08F020-34

CC 62-3 (Essential Oils and Cosmetics)
ST cosmetic water sol polymer dispersion polyacrylate
IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(C1-4; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Mirasil DM 500000; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Polyelectrolytes
Surfactants
(amphoteric; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Polyelectrolytes
Surfactants
(anionic; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Polyelectrolytes
Surfactants
(cationic; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Betaines
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(coco alkyl dimethyl, Dehyton AB 30; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Dispersing agents
Dyes
Opacifiers
Oxidizing agents
Perfumes
Polyelectrolytes
Preservatives
Shampoos
Stabilizing agents
Thickening agents
(cosmetic compns. containing water soluble polymer in form of dispersion)
IT Alkanes, biological studies
Ketones, biological studies
Paraffin oils
Polymers, biological studies
Polyoxyalkylenes, biological studies
Tannins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compns. containing water soluble polymer in form of dispersion)
IT Acrylic polymers, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic compns. containing water soluble polymer in form of dispersion)
IT Polyoxyalkylenes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Me, Me hydrogen polysiloxane-, sulfosuccinate, disodium salt; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Me, Me hydrogen, polyoxyalkylene-, sulfosuccinate, disodium salt; cosmetic compns. containing water soluble polymer in form of dispersion)
IT Anions
(divalent; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Viscosity
(enhancers; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Fatty acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(esters; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Surfactants
(ionic; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Hair preparations
(lotions, wave-setting; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Hair preparations
(lotions; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Hair preparations
(mousses; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Solvents
(organic; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Hair preparations
(permanent wave; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polycarboxylic, salts; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polycarboxylic; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Alcohols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyhydric; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Phenols, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyphenols, nonpolymeric; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Hair preparations
(sprays; cosmetic compns. containing water soluble polymer in form of dispersion)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(vegetable; cosmetic compns. containing water soluble polymer in form of dispersion)

IT 81859-24-7, JR 400
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(JR 400; cosmetic compns. containing water soluble polymer in form of dispersion)

IT 69-72-7, Salicylic acid, biological studies 87-66-1, Pyrogallol
87-69-4, Tartaric acid, biological studies 88-99-3, Phthalic acid,
biological studies 99-06-9, m-Hydroxybenzoic acid, biological studies
99-96-7, p-Hydroxybenzoic acid, biological studies 108-46-3, Resorcinol,
biological studies 110-71-4 124-04-9, Adipic acid, biological studies
144-62-7, Oxalic acid, biological studies 149-91-7, Galli cacid,
biological studies 299-27-4, Potassium gluconate 526-95-4, Gluconic
acid 526-95-4D, Gluconic acid, amine derivs. 527-07-1, Sodium

gluconate 6915-15-7, Malic acid 7487-88-9, Magnesium sulfate, biological studies 7681-38-1, Sodium hydrogen sulfate 7757-82-6, Sodium sulfate, biological studies 7783-20-2, Ammonium sulfate, biological studies 7803-63-6, Ammonium hydrogen sulfate 9004-82-4, Polyoxyethylene Sodium lauryl ether sulfate 10028-26-9, Magnesium hydrogen sulfate 10043-01-3, Aluminum sulfate 19222-41-4, Ammonium gluconate 24738-38-3 25212-88-8, Luvimer MAE 25322-68-3, Polyethylene glycol 53633-54-8, Gafquat 734 68134-63-4, Aristoflex A 73506-93-1, Diethoxyethane 92183-41-0, Celquat LOR 117522-93-7, Kytamer PC 145686-74-4, Dow Corning Q 2-5220 203341-07-5, Dow Corning 939 431982-24-0, Mackanate DC 50

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic comps. containing water soluble polymer in form of dispersion)

IT 69418-26-4P 108388-79-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetic comps. containing water soluble polymer in form of dispersion)

IT 824-46-4, Methoxyhydroquinone

RL: RCT (Reactant); RACT (Reactant or reagent)

(cosmetic comps. containing water soluble polymer in form of dispersion)

IT 69418-26-4P 108388-79-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetic comps. containing water soluble polymer in form of dispersion)

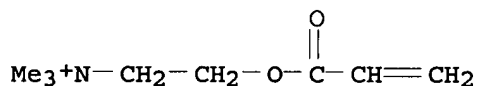
RN 69418-26-4 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 44992-01-0

CMF C8 H16 N O2 . Cl

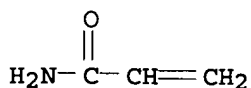


● Cl⁻

CM 2

CRN 79-06-1

CMF C3 H5 N O



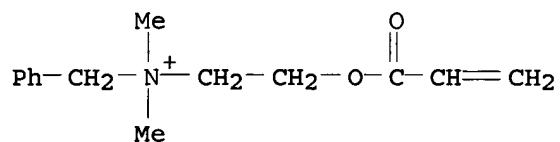
RN 108388-79-0 HCAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-[2-[(1-oxo-2-propenyl)oxy]ethyl]-, chloride, polymer with 2-propenamide and N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]ethanaminium chloride (9CI) (CA INDEX NAME)

CM 1

CRN 46830-22-2

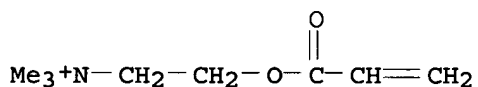
CMF C14 H20 N O2 . Cl

● Cl⁻

CM 2

CRN 44992-01-0

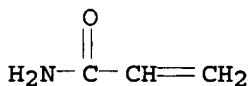
CMF C8 H16 N O2 . Cl

● Cl⁻

CM 3

CRN 79-06-1

CMF C3 H5 N O



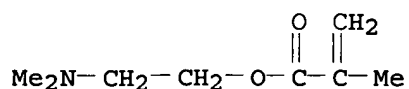
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 7 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:31548 HCAPLUS
DN 134:86650
TI Preparation of odor-free vinyl caprolactam-based polymers by
suspension polymerization in water
IN Chuang, Jui-Chang; Drzewinski, Michael A.
PA ISP Investments Inc., USA
SO PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DT Patent

LA English

FAN.CNT 1

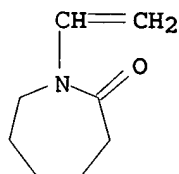
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001002450	A1	20010111	WO 2000-US9597	20000411
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 6225429	B1	20010501	US 1999-346213	19990701
	AU 2000042273	A5	20010122	AU 2000-42273	20000411
	JP 2003504431	T2	20030204	JP 2001-508237	20000411
PRAI	US 1999-346213	A	19990701		
	WO 2000-US9597	W	20000411		
AB	Vinyl caprolactam-based polymer is prepared by suspension polymerizing monomers (e.g., vinyl caprolactam and vinylpyrrolidone) in aqueous medium in the absence of a protective colloid, wherein polymer formed at an early stage of the polymerization functions as a dispersing agent to maintain polymer particles suspended in water throughout the polymerization. The polymers are purified with hydrogen peroxide to remove residual monomers.				
IC	ICM C08F226-06 ICS C08F226-10; C08F220-04; C08L029-02				
CC	35-4 (Chemistry of Synthetic High Polymers)				
ST	vinyl caprolactam polymer prepn suspension polymn; odor free				
	vinylpyrrolidone vinyl caprolactam copolymer				
IT	Polymerization (suspension; preparation of odor-free vinyl caprolactam-based polymers by suspension polymerization in water)				
IT	51987-20-3P 102972-64-5P, Dimethylaminoethyl methacrylate-vinylcaprolactam-vinylpyrrolidone copolymer 146876-35-9P 180005-72-5P 221683-65-4P 318249-01-3P RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation of odor-free vinyl caprolactam-based polymers by suspension polymerization in water)				
IT	102972-64-5P, Dimethylaminoethyl methacrylate-vinylcaprolactam-vinylpyrrolidone copolymer RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (preparation of odor-free vinyl caprolactam-based polymers by suspension polymerization in water)				
RN	102972-64-5 HCAPLUS				
CN	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenylhexahydro-2H-azepin-2-one and 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)				
CM	1				
CRN	2867-47-2				
CMF	C8 H15 N O2				



CM 2

CRN 2235-00-9

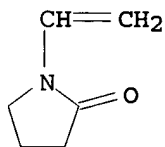
CMF C8 H13 N O



CM 3

CRN 88-12-0

CMF C6 H9 N O



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:28517 HCAPLUS
DN 134:102568
TI Microcapsule compositions and their use in detergents and cleaning agents
IN Boeckh, Dieter; Jahns, Ekkehard; Bertleff, Werner; Neumann, Peter
PA BASF A.-G., Germany
SO Ger. Offen., 12 pp.
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19932144	A1	20010111	DE 1999-19932144	19990709
	WO 2001004257	A1	20010118	WO 2000-EP6458	20000707
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	EP 1194521	A1	20020410	EP 2000-944015	20000707
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2003504490	T2	20030204	JP 2001-509461	20000707

US 6849591 B1 20050201 US 2002-19312 20020109
PRAI DE 1999-19932144 A 19990709
WO 2000-EP6458 W 20000707

AB The title comps. comprise microcapsules with a nonpolar core containing, e.g., **perfumes**, bleach activators, defoamers, etc., and a skin containing ethylenically unsatd. (co)polymers and polymers made of monomers capable of generating anionic or cationic groups in basic or acidic environment. The generation of ionic groups destabilizes the microcapsule skin and enables a pH-controlled release of the microcapsule content. For example, an oil-in-water emulsion prepared by rapid stirring of a mixture of poly(vinyl alc.) (88%-saponified, average mol. weight 128,000) 12.5, poly(vinylpyrrolidone) (K-value 90) 12.5, paraffin oil 75, essential oil (fir) 75, Me methacrylate 4, methacrylic anhydride 3.5, tert-Bu perpivalate 0.1 and H2O 499 g was heated with stirring to 60° over 1.5 h and to 80° over 3 h and cooled to give dispersion with **particles** having diameter 2-8 µm. Spreading the dispersion on a glass plate gave a film with a faint spruce **odor** which was intensified by immersing the plate in aqueous NaOH solution at pH 10.

IC ICM C11D017-00
ICS C11D003-50; C11D001-94; C11D001-83

CC 46-6 (Surface Active Agents and Detergents)
Section cross-reference(s): 38

ST **perfume** microencapsulation polymer skin acid base sensitivity;
microcapsule skin methacrylate polymer dissoln **perfume** release;
methacrylic anhydride crosslinker microcapsule skin hydrolysis
perfume release

IT Essential oils
RL: PEP (Physical, engineering or chemical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(fir; microcapsule comps. and their use in detergents and cleaning agents containing)

IT Detergents
(microcapsule comps. and their use in cleaning agents and)

IT Microcapsules
(microcapsule comps. and their use in detergents and cleaning agents)

IT **Perfumes**
Surfactants
(microcapsule comps. and their use in detergents and cleaning agents containing)

IT 9002-89-5, Poly(vinyl alcohol)
RL: TEM (Technical or engineered material use); USES (Uses)
(88%-saponified; microcapsule comps. and their use in detergents and cleaning agents)

IT 27027-16-3P, Diethylaminoethyl methacrylate-Methyl methacrylate copolymer 29856-04-0P, Methacrylic anhydride-Methyl methacrylate copolymer
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); **PREP (Preparation)**; USES (Uses)
(microcapsule comps. and their use in detergents and cleaning agents)

IT 9003-39-8, Poly(vinylpyrrolidone)
RL: TEM (Technical or engineered material use); USES (Uses)
(microcapsule comps. and their use in detergents and cleaning agents)

IT 27027-16-3P, Diethylaminoethyl methacrylate-Methyl methacrylate copolymer
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); **PREP (Preparation)**; USES (Uses)
(microcapsule comps. and their use in detergents and cleaning agents)

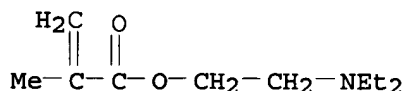
RN 27027-16-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 105-16-8

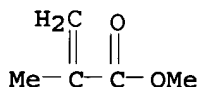
CMF C10 H19 N O2



CM 2

CRN 80-62-6

CMF C5 H8 O2



L30 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:583117 HCAPLUS

DN 131:219018

TI Thickeners for perfume compositions

IN Tejima, Hiroshi

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11246382	A2	19990914	JP 1998-71318	19980305
PRAI	JP 1998-71318		19980305		

AB Perfume compns. in the form of liqs. or gels, for application to the skin comprise (1) a cationic thickener, (2) an agent selected from the group consisting of hydroxypropyl cellulose, hydroxyethyl cellulose, Me cellulose, and xanthan gum, (3) perfume components, (4) ethanol, and (5) water. The composition further comprises powders of polyamides, silica, polyethylene, and/or starch. N,N-dimethylaminoethyl methacrylate-N-vinylpyrrolidone-stearyl acrylate-tripropylene glycol diacrylate copolymer was prepared. A skin composition was formulated containing ion-exchanged water 20, perfumes 3.8, the above polymer 0.7, Me cellulose 0.1, lactic acid 0.3, and ethanol q.s. to 100 %.

IC ICM A61K007-46

ICS C11B009-00

CC 62-4 (Essential Oils and Cosmetics)

ST thickener polyacrylate cellulose ether perfume

IT Cosmetics

Perfumes

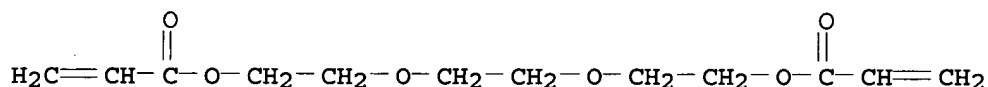
Thickening agents

(perfume compns. containing thickeners and powders)

IT Polyamides, biological studies

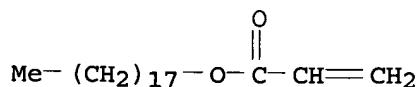
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)
 (powders; perfume compns. containing thickeners and powders)
 IT 9004-62-0, Hydroxyethyl cellulose 9004-64-2, Hydroxypropyl cellulose
 9004-67-5, Methyl cellulose 11138-66-2, Xanthan gum
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (perfume compns. containing thickeners and powders)
 IT **160364-67-0P**
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL
 (Biological study); **PREP (Preparation)**; USES (Uses)
 (perfume compns. containing thickeners and powders)
 IT 7631-86-9, Silica, biological studies 9002-88-4, Polyethylene
 9005-25-8, Starch, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (powders; perfume compns. containing thickeners and powders)
 IT **160364-67-0P**
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL
 (Biological study); **PREP (Preparation)**; USES (Uses)
 (perfume compns. containing thickeners and powders)
 RN 160364-67-0 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
 1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-
 ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX
 NAME)
 CM 1
 CRN 42978-66-5
 CMF C15 H24 O6
 CCI IDS

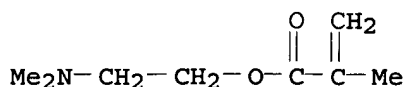


3 (D1-Me)

CM 2
 CRN 4813-57-4
 CMF C21 H40 O2



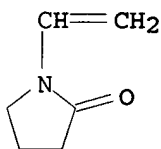
CM 3
 CRN 2867-47-2
 CMF C8 H15 N O2



CM 4

CRN 88-12-0

CMF C6 H9 N O



L30 ANSWER 10 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:719154 HCAPLUS

DN 129:331177

TI Purification of vinyl lactam polymers by removal of vinyl lactam monomers

IN Liu, Kou-chang; Anderson, Lowell R.; Ginde, Rajiv; Rocafort, Colleen M.

PA Isp Investments Inc, USA

SO U.S., 5 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5830964	A	19981103	US 1997-993908	19971218
	WO 9931152	A1	19990624	WO 1998-US23325	19981102
	W:				
	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				
	DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP,				
	KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO,				
	NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA,				
	UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,				
	FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,				
	CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9912995	A1	19990705	AU 1999-12995	19981102
PRAI	US 1997-993908	A	19971218		
	WO 1998-US23325	W	19981102		

AB The title process comprises: (a) adjusting the concentration of a N-vinyl lactam polymer containing an excessive amount of residual vinyl lactam monomer to 15-40% in an organic solvent to form a solution; (b) contacting the resulting solution with 0.5-5%, based on lactam polymer, of porous particles of a resin containing a plurality of functional sulfonic acid and/or carboxylic acid sites, the resin being substantially free of contamination and having a particle size of 5-500 mesh; (c) agitating the lactam polymer in contact with the resin at a temperature of 25-125° for 0.5-10 h; (d) separating the resin with absorbed residual monomer from the lactam polymer solution and (e) recovering the resulting substantially pure N-vinyl lactam polymer. Substantially colorless and odorless vinyl lactam polymers containing less than 100 ppm residual vinyl pyrrolidone and less than 1000 ppm vinyl caprolactam monomers are prepared

IC ICM C08F226-06
ICS C08F226-10; C08F222-06; C08F220-56; C08F220-04; C08F220-18;
C08F220-21

INCL 526264000

CC 35-4 (Chemistry of Synthetic High Polymers)

ST vinyl lactam polymer purifn absorbent; sulfonic acid group polymer
absorbent

IT Absorbents
(purification of vinyl lactam polymers by removal of vinyl lactam monomers)

IT 9037-24-5, AMBERLYST 15 39389-20-3, Divinylbenzene-styrenesulfonic acid
copolymer
RL: NUU (Other use, unclassified); USES (Uses)
(purification of vinyl lactam polymers by removal of vinyl lactam monomers)

IT 9003-39-8P, N-Vinyl pyrrolidone polymer 25086-89-9P, N-Vinyl
pyrrolidone-vinyl acetate copolymer 25189-83-7P, N-Vinyl caprolactam
polymer 102972-64-5P, Dimethyl aminoethyl methacrylate N-vinyl
caprolactam N-vinyl pyrrolidone copolymer 180005-72-5P
RL: PUR (Purification or recovery); **PREP (Preparation)**
(purification of vinyl lactam polymers by removal of vinyl lactam monomers)

IT 88-12-0, processes 2235-00-9, N-Vinyl caprolactam
RL: REM (Removal or disposal); PROC (Process)
(purification of vinyl lactam polymers by removal of vinyl lactam monomers)

IT 102972-64-5P, Dimethyl aminoethyl methacrylate N-vinyl caprolactam
N-vinyl pyrrolidone copolymer
RL: PUR (Purification or recovery); **PREP (Preparation)**
(purification of vinyl lactam polymers by removal of vinyl lactam monomers)

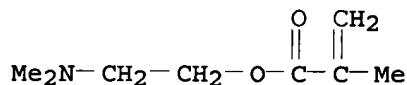
RN 102972-64-5 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
1-ethenylhexahydro-2H-azepin-2-one and 1-ethenyl-2-pyrrolidinone (9CI)
(CA INDEX NAME)

CM 1

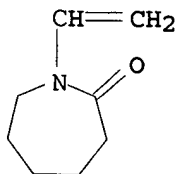
CRN 2867-47-2

CMF C8 H15 N O2



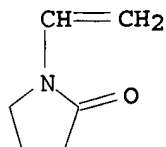
CM 2

CRN 2235-00-9
CMF C8 H13 N O



CM 3

CRN 88-12-0
CMF C6 H9 N O



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 11 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:479560 HCAPLUS

DN 129:123235

TI Polymer **particles** having surface properties and methods of making them

IN Grey, Bryan David; Dungworth, Howard Roger; Stockwell, John Robert

PA Allied Colloids Ltd., UK

SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9828339	A1	19980702	WO 1997-GB3531	19971223
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2277143	AA	19980702	CA 1997-2277143	19971223
	AU 9853319	A1	19980717	AU 1998-53319	19971223
	ZA 9711578	A	19990623	ZA 1997-11578	19971223
	ZA 9711582	A	19990623	ZA 1997-11582	19971223
	ZA 9711589	A	19990623	ZA 1997-11589	19971223
	EP 950070	A1	19991020	EP 1997-950317	19971223
	EP 950070	B1	20020206		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
	US 6024943	A	20000215	US 1997-997380	19971223
	US 6194375	B1	20010227	US 1997-996721	19971223
	JP 2001507059	T2	20010529	JP 1998-528555	19971223
	AT 213001	E	20020215	AT 1997-950317	19971223
	PT 950070	T	20020628	PT 1997-950317	19971223
	ES 2170969	T3	20020816	ES 1997-950317	19971223
PRAI	EP 1996-309466	A	19961223		
	WO 1997-GB3531	W	19971223		

AB Polymer **particles** that have cores based on polymers of hydrophobic (meth)acrylate esters of alcs. having ≥ 3 C atoms and surfaces with OH groups due the the presence of ≥ 1 polymer different than the core polymer are manufactured suspension polymerization in the presence of a dispersion stabilizer. This stabilizer can be any suitable polymer that has free OH groups for incorporation of the OH groups into the surface of the **particles**. The process results in polymers

of average **particle** size 50-150 μ m and reduced levels of undesired polymer emulsion or undersized **particles**. The polymer **particles** may have cationic groups due to cationic monomers present in the manufacture of the cores. The **particles** are particularly useful for absorbing water insol. active ingredients, such as insecticides, insect repellents, fragrances, pheromones for subsequent slow release. The cationic surface character of polymer **particles** makes them especially useful for forming stable dispersions or slurries in active concs. such as **perfume** bases or detergent concs. Furthermore these dispersions or slurries remain stable and substantially free of agglomerates. The **particles** containing active ingredient readily associate with fabrics such as cotton, wool and viscose where the active ingredient is released in a controlled fashion over several days. Typical beads with **particle** size $>125 \mu$ m were manufactured by radical suspension-polymerization of 70 parts iso-Bu methacrylate with 1.8 parts 1,6-hexanediol diacrylate in the presence of Natrosol 250L (hydroxyethyl cellulose).

- IC ICM C08F002-20
ICS C11D017-00; A01N025-10
- CC 37-3 (Plastics Manufacture and Processing)
Section cross-reference(s): 5, 46
- ST methacrylate polymer bead hydroxy group surface; **perfume** slow release carrier polymer bead; pheromone slow release carrier polymer bead; fragrance slow release carrier polymer bead; insect repellent slow release carrier bead; insecticide slow release carrier polymer bead; hydroxyethyl cellulose surface methacrylate polymer bead; hexanediol diacrylate copolymer bead manuf; isobutyl methacrylate copolymer bead manuf; cationic group acrylate polymer bead; absorbent polymer **particle** active substance
- IT Absorbents
Crosslinking agents
Insecticides
 Particles
 Perfumes
Sunscreens
 (polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)
- IT Pyrethrins
RL: NUU (Other use, unclassified); USES (Uses)
 (polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)
- IT 17511-60-3
RL: NUU (Other use, unclassified); USES (Uses)
 (Florocyclene, **perfume**; polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)
- IT 563-12-2, Ethion 52315-07-8, Cypermethrin
RL: NUU (Other use, unclassified); USES (Uses)
 (insecticide; polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)
- IT 123-11-5, Anisaldehyde, uses 151-05-3, Dimethylbenzylcarbiny acetate 21145-77-7, Tonalid 53219-21-9, Dihydromyrcenol
RL: NUU (Other use, unclassified); USES (Uses)
 (**perfume**; polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)

IT 68540-72-7P, Hydroxypropyl methacrylate-isobutyl methacrylate copolymer
 209683-42-1P, 1,6-Hexanediol diacrylate-isobutyl methacrylate copolymer
 210230-13-0P 210230-15-2P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)

IT 93-15-2, Methyl eugenol 12002-53-8, Trimedlure 50933-33-0, Gossyplure
 RL: NUU (Other use, unclassified); USES (Uses)
 (polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)

IT 9002-89-5, Gohsenol AH 22 9003-20-7D, Polyvinyl acetate, partially hydrolyzed 9004-62-0, Natrosol 250L 124364-09-6, Gohsenol KH-17 155665-04-6 210230-12-9
 RL: TEM (Technical or engineered material use); USES (Uses)
 (polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)

IT 98-01-1, Furfural, uses
 RL: NUU (Other use, unclassified); USES (Uses)
 (soil sterilant; polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)

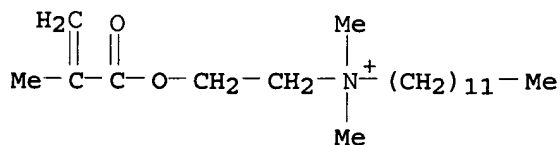
IT 210230-13-0P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (polymer **particles** having hydrophobic (meth)acrylate ester cores and surfaces having hydroxy and(or) cationic groups for absorption of active substances for slow release)

RN 210230-13-0 HCAPLUS
 CN 1-Dodecanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-, bromide, polymer with 1,4-butanediyl di-2-propenoate, ethenol and 2-methylpropyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 96526-35-1

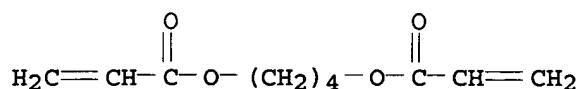
CMF C20 H40 N O2 . Br

● Br⁻

CM 2

CRN 1070-70-8

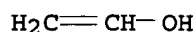
CMF C10 H14 O4



CM 3

CRN 557-75-5

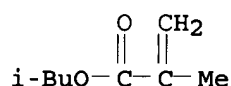
CMF C2 H4 O



CM 4

CRN 97-86-9

CMF C8 H14 O2



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L30 ANSWER 12 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:739720 HCAPLUS

DN 128:53036

TI Hair cosmetics

IN Shiho, Koji; Kawahashi, Nobuo; Morikawa, Akihiko; Bessho, Nobuo

PA Japan Synthetic Rubber Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09295920	A2	19971118	JP 1996-132842	19960430
PRAI	JP 1996-132842		19960430		

AB Hair cosmetics showing excellent film-forming, protein-adsorbing and sebum-absorbing properties comprise **particles** prepared from polyorganosiloxanes and radical polymerizable monomers such as Bu acrylate and dimethylaminoethyl methacrylate. A paste hair cosmetic contained the **particles** 15, CM-cellulose 0.5, ethanol 30, **perfumes** 0.1 and purified water to 100 weight%.

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

ST hair cosmetic **particle** polyorganosiloxane acrylic polymer

IT Hair preparations

(conditioners; hair cosmetics containing **particles** prepared from polyorganosiloxanes and radical polymerizable monomers)

IT Hair preparations

Particles

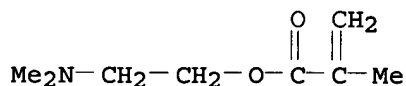
(hair cosmetics containing **particles** prepared from polyorganosiloxanes and radical polymerizable monomers)

- IT Acrylic polymers, biological studies
 RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hair cosmetics containing **particles** prepared from polyorganosiloxanes and radical polymerizable monomers)
- IT Siloxanes (nonpolymeric)
 RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (modified polyorgano-; hair cosmetics containing **particles** prepared from polyorganosiloxanes and radical polymerizable monomers)
- IT 556-67-2DP, Octamethylcyclotetrasiloxane, reaction products with p-vinylphenylmethyldimethoxysilane 17998-86-6DP, p-Vinylphenylmethyldimethoxysilane, reaction products with octamethylcyclotetrasiloxane 26355-01-1P, 2-Hydroxyethyl methacrylate-methyl methacrylate copolymer 30606-45-2P, Butyl acrylate-dimethylaminoethyl methacrylate copolymer 68183-98-2P, Ethylene glycol-methyl methacrylate copolymer
 RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hair cosmetics containing **particles** prepared from polyorganosiloxanes and radical polymerizable monomers)
- IT 30606-45-2P, Butyl acrylate-dimethylaminoethyl methacrylate copolymer
 RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hair cosmetics containing **particles** prepared from polyorganosiloxanes and radical polymerizable monomers)
- RN 30606-45-2 HCAPLUS
- CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2

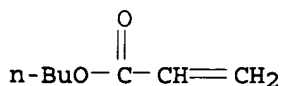
CMF C8 H15 N O2



CM 2

CRN 141-32-2

CMF C7 H12 O2



DN 126:297485
 TI Long-lasting perfume gels
 IN Hanada, Takuya
 PA Shiseido Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF

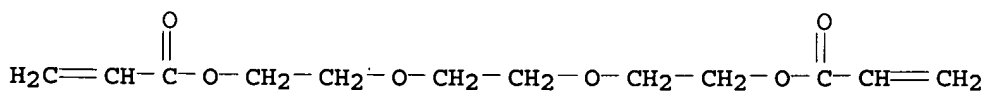
DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09067239	A2	19970311	JP 1995-247040	19950901
PRAI	JP 1995-247040		19950901		
AB	Long-lasting perfume gels comprise cationic thickeners (such as N,N-dimethylaminoethyl methacrylate-N-vinylpyrrolidone-stearyl acrylate-tripropylene glycol diacrylate copolymer) 0.05-10.0, perfumes 0.5-30.0, water 20.0-99.0 and ethanol 0.1-79.0 weight%.				
IC	ICM A61K007-46				
CC	62-5 (Essential Oils and Cosmetics) Section cross-reference(s): 38				
ST	perfume gel cationic thickener copolymer				
IT	Thickening agents (cationic; long-lasting perfume gels)				
IT	Cosmetics (gels; long-lasting perfume gels)				
IT	Perfumes (long-lasting perfume gels)				
IT	64-17-5P, Ethanol, biological studies 7732-18-5P, Water, biological studies 187266-54-2P RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (long-lasting perfume gels)				
IT	187266-54-2P RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (long-lasting perfume gels)				
RN	187266-54-2 HCAPLUS				
CN	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone and (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] di-2-propenoate (9CI) (CA INDEX NAME)				

CM 1

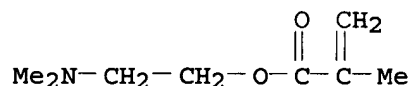
CRN 42978-66-5
 CMF C15 H24 O6
 CCI IDS



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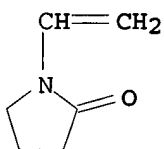
CM 2

CRN 2867-47-2
CMF C8 H15 N O2



CM 3

CRN 88-12-0
CMF C6 H9 N O



L30 ANSWER 14 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:567494 HCAPLUS

DN 119:167494

TI Water-base nail lacquers containing aqueous composite polymer emulsions

IN Sawada, Michitaka; Tsutsumi, Takehiro; Hosokawa, Hitoshi; Sugawara, Susumu

PA Kao Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05148122	A2	19930615	JP 1991-314460	19911128
PRAI	JP 1991-314460		19911128		

AB Nail lacquers contain 5-60 weight% (as solid) aqueous composite polymer emulsions, in which polymer **particles** with different chemical comps. form multilayer structure and the inner layers comprise fluoropolymers. The nail lacquers are not inflammable, excellent in staining resistance, gloss, adherence, water resistance, and film strength, and have no offensive **odor**. A mixture of 2,2,3,3-tetrafluoropropyl methacrylate, tert-Bu methacrylate, and NC(CHMeCH₂)₂N:N(CH₂CHMe)₂CN was added dropwise to an aqueous acrylic acid-Bu acrylate-Me methacrylate copolymer Et₃N salt (preparation given) over 1 h and the reaction mixture was further treated with an aqueous K₂S₂O₈ at 70° for 6 h, and evaporated to give an aqueous complex polymer emulsion (solid content 35%). A nail polish containing the polymer emulsion 100, red pigment R-226 3, H₂O 10, carbitol 0-10, di-Et phthalate 0-10, **perfume** 0.1, antiseptic, and silicone antifoamer was prepared

IC ICM A61K007-043

CC 62-4 (Essential Oils and Cosmetics)

ST nail lacquer aq polymer emulsion

IT Cosmetics

(nail lacquers, aqueous polymer emulsions containing composite polymer **particles** with fluoropolymer inner layers for)

IT 108705-55-1P 150119-92-9P 150152-21-9P

RL: PREP (Preparation)
 (preparation and composite polymer emulsions from aqueous acrylic polymer and, for nail lacquers)

IT 55067-89-5P, Acrylic acid-butyl acrylate-methyl methacrylate copolymer triethylamine salt 143382-55-2P 150119-91-8P

RL: PREP (Preparation)
 (preparation of and composite polymer emulsions from fluoropolymer and, for aqueous nail lacquers)

IT 143382-55-2P 150119-91-8P

RL: PREP (Preparation)
 (preparation of and composite polymer emulsions from fluoropolymer and, for aqueous nail lacquers)

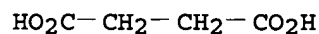
RN 143382-55-2 HCAPLUS

CN Butanedioic acid, compd. with butyl 2-propenoate polymer with 2-(dimethylamino)ethyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 110-15-6

CMF C4 H6 O4



CM 2

CRN 35166-02-0

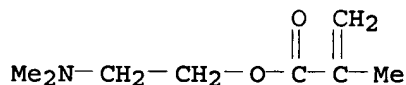
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CCI PMS

CM 3

CRN 2867-47-2

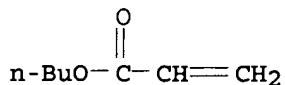
CMF C8 H15 N O2



CM 4

CRN 141-32-2

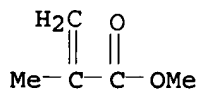
CMF C7 H12 O2



CM 5

CRN 80-62-6

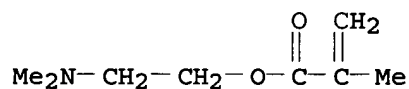
CMF C5 H8 O2



RN 150119-91-8 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
dodecyl 2-methyl-2-propenoate and phenylmethyl 2-methyl-2-propenoate (9CI)
(CA INDEX NAME)

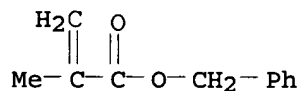
CM 1

CRN 2867-47-2
CMF C8 H15 N O2



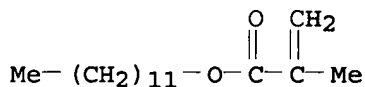
CM 2

CRN 2495-37-6
CMF C11 H12 O2



CM 3

CRN 142-90-5
CMF C16 H30 O2



L30 ANSWER 15 OF 15 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1993:175520 HCAPLUS
DN 118:175520
TI Aqueous nail lacquers containing polymer emulsions
IN Igarashi, Tadashi; Sugawara, Susumu; Yoshimatsu, Akira
PA Kao Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04297408	A2	19921021	JP 1991-62912	19910327
PRAI	JP 1991-62912		19910327		

AB Aqueous nail lacquers contain 5-60 weight% (as solid) aqueous composite polymer emulsions comprising ≥ 2 layers of polymer **particles** having different chemical compns. and crosslinked polymers at the innermost layers. A nail lacquer containing aqueous composite polymer emulsions (solid content 35%) (containing Me methacrylate-Bu acrylate-acrylic acid copolymer Et3N salt as the inner layer and iso-Bu methacrylate-divinylbenzene copolymer as the outer layer) (preparation given) 100, R-226 (red pigment) 3, H2O 10, carbitol 0-10, di-Et phthalate 0-10, **perfume** 0.1 weight part, antiseptic, and silicone antifoamer was formulated. The nail lacquer showed good drying property, gloss, adhesion, water-resistance, abrasion-resistance, and **odor**.

IC ICM A61K007-043

CC 62-4 (Essential Oils and Cosmetics)

ST nail lacquer aq polymer emulsion

IT Cosmetics
(nail lacquers, containing aqueous composite polymer emulsions)

IT 9003-70-7P, Divinylbenzene-styrene copolymer 55067-89-5P 100226-43-5P
143453-06-9P 146673-81-6P
RL: **PREP (Preparation)**
(preparation of, nail lacquers containing)

IT 143453-06-9P
RL: **PREP (Preparation)**
(preparation of, nail lacquers containing)

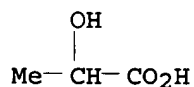
RN 143453-06-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, 2-hydroxypropanoate (9CI) (CA INDEX NAME)

CM 1

CRN 50-21-5

CMF C3 H6 O3



CM 2

CRN 26316-50-7

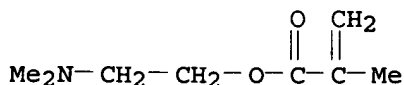
CMF (C8 H15 N O2 . C5 H8 O2 . C5 H8 O2)x

CCI PMS

CM 3

CRN 2867-47-2

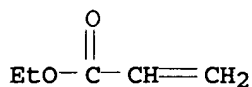
CMF C8 H15 N O2



CM 4

CRN 140-88-5

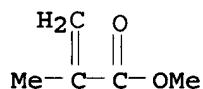
CMF C5 H8 O2



CM 5

CRN 80-62-6

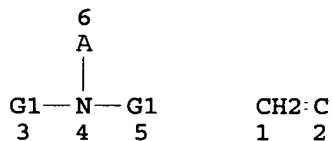
CMF C5 H8 O2



=> => D QUE L31

L5 SCR 2043

L7 STR



Ak @7

VAR G1=7/H

NODE ATTRIBUTES:

NSPEC IS RC AT 6

CONNECT IS M2 RC AT 2

CONNECT IS M2 RC AT 6

CONNECT IS E1 RC AT 7

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

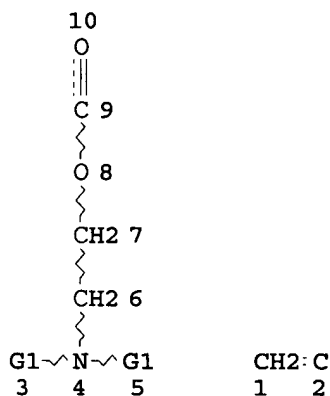
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NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L10 80650 SEA FILE=REGISTRY SSS FUL L7 AND L5

L11 STR



VAR G1=H/AK

NODE ATTRIBUTES:

CONNECT IS M2 RC AT 2

CONNECT IS M3 RC AT 9

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 10

STEREO ATTRIBUTES: NONE

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L13      19979 SEA FILE=REGISTRY SUB=L10 SSS FUL L11
L14      7942 SEA FILE=REGISTRY ABB=ON L13 AND 1-3/NC
L15     13527 SEA FILE=HCAPLUS ABB=ON L14
L16     4584 SEA FILE=HCAPLUS ABB=ON L15 (L) PREP/RL
L17       3 SEA FILE=HCAPLUS ABB=ON L16 (L) PERFUM?
L20     19596 SEA FILE=HCAPLUS ABB=ON L13
L21      7003 SEA FILE=HCAPLUS ABB=ON L20 (L) PREP/RL
L22       4 SEA FILE=HCAPLUS ABB=ON L21 (L) PERFUM?
L23      69 SEA FILE=HCAPLUS ABB=ON L21 AND PERFUM?
L24      61 SEA FILE=HCAPLUS ABB=ON L23 AND COSMETIC?/SC, SX
L26       2 SEA FILE=HCAPLUS ABB=ON L21 AND PERFUM? (3A) PARTICL?
L27       9 SEA FILE=HCAPLUS ABB=ON L23 AND PARTICLE?
L28      89 SEA FILE=HCAPLUS ABB=ON L21 AND (PERFUM? OR SCENT? OR ODOR?)
L29     12 SEA FILE=HCAPLUS ABB=ON L28 AND PARTICLE?
L30     15 SEA FILE=HCAPLUS ABB=ON L17 OR L22 OR L26 OR L27 OR L29
L31     53 SEA FILE=HCAPLUS ABB=ON L24 NOT L30

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=> D L31 BIB ABS HITIND FHITSTR 1-53

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L31 ANSWER 1 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
AN  2006:35334 HCAPLUS
DN  144:134736
TI  Microcapsules having salt-soluble polymer membranes
IN  Yasue, Ryoji; Isoda, Masaki
PA  Lion Corp., Japan
SO  Jpn. Kokai Tokkyo Koho, 18 pp.
    CODEN: JKXXAF
DT  Patent
LA  Japanese
FAN.CNT 1

```

53 other C4 references without word particle

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2006008564	A2	20060112	JP 2004-186589	20040624
PRAI	JP 2004-186589		20040624		

AB The invention relates to microcapsules which are insol. in water and soluble or swellable in electrolyte solution for releasing core component in the microcapsules, suitable for use in cosmetics, sanitary goods, fragrances, and fabric-processing products, wherein the microcapsules have salt-soluble polymers, especially sulfobetaine-based polymers, as membrane materials. For example, limonene-containing microcapsules were prepared from 3-dimethyl(methacryloyloxyethyl)ammoniumpropanesulfonate, hexylmethacrylate, and methoxypolyethylene glycol methacrylate at 65/44/2 (mol %) as membrane materials. The obtained microcapsules were combined with other ingredients at 1 % to give a cosmetic lotion.

CC 62-5 (Essential Oils and Cosmetics)
Section cross-reference(s): 46

IT Cosmetics
Disposable diapers
Fabric softeners
Microcapsules
Perfumes
(microcapsules having salt-soluble polymer membranes for cosmetics and fabric-processing products)

IT 138-86-3P, Limonene 336850-96-5P, 3-Dimethyl(methacryloyloxyethyl)ammoniumpropanesulfonate-lauryl methacrylate copolymer 873225-97-9P 873225-98-0P 873225-99-1P 873226-00-7P 873226-01-8P 873295-13-7P 873295-15-9P 873295-17-1P 873295-19-3P 873295-21-7P
RL: COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(microcapsules having salt-soluble polymer membranes for cosmetics and fabric-processing products)

IT 336850-96-5P, 3-Dimethyl(methacryloyloxyethyl)ammoniumpropanesulfonate-lauryl methacrylate copolymer
RL: COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(microcapsules having salt-soluble polymer membranes for cosmetics and fabric-processing products)

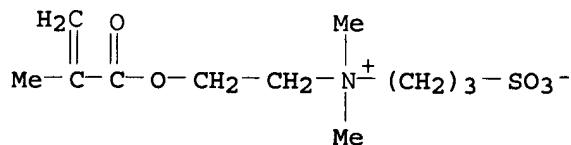
RN 336850-96-5 HCAPLUS

CN 1-Propanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-3-sulfo-, inner salt, polymer with dodecyl 2-methyl-2-propenoate (9CI)
(CA INDEX NAME)

CM 1

CRN 3637-26-1

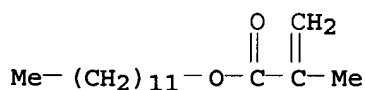
CMF C11 H21 N O5 S



CM 2

CRN 142-90-5

CMF C16 H30 O2



L31 ANSWER 2 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:405404 HCAPLUS

DN 142:468855

TI Cosmetic substance containing a copolymer with (meth)acrylic acid amide units and an ester of p-aminobenzoic acid and use for hair preparations

IN Patwardhan, Darshan; Wood, Claudia

PA BASF Aktiengesellschaft, Germany

SO PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041909	A1	20050512	WO 2004-EP12232	20041028
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10350359	A1	20050602	DE 2003-10350359	20031029
PRAI DE 2003-10350359	A	20031029		

AB The invention relates to a cosmetic substance containing at least one ester of p-aminobenzoic acid and at least one water-soluble copolymer which is obtained by radically copolymerizing acrylic acid amide and/or methacrylic acid amide and other water-soluble α,β -ethylenically unsaturated compounds that can be copolymerized therewith, optionally in the presence of a water-soluble polymeric graft base. Thus series of copolymers were prepared; the obtained microdispersions were freeze dried or spray dried to obtain powders and included in hair preparations. An Ultra-Hold hair gel contained (weight/weight%): water 70.95; preservative q.s.; Ultrez 21 0.50; triethanol amine 0.75; prepared VP-methacrylamide-vinylimidazole copolymer 25.00; Pluracare E 400 2.00; D-panthenol 0.50; perfume q.s.; Cremophor CO 40 0.10; Uvinul P 25; Dow Corning 190 0.10.

IC ICM A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

IT Antioxidants

Antistatic agents

Dyes

Emulsifying agents

Gelation agents

Perfumes
 Plasticizers
 Preservatives
 Suntanning agents
 Surfactants
 Tackiness
 Thickening agents
 Transparency
 Viscosity

(cosmetic substance containing a copolymer with (meth)acrylic acid amide units and an ester of p-aminobenzoic acid and use for hair prepns.)

IT 26006-22-4P 26124-23-2P 30973-80-9P 38139-93-4P
 38139-94-5P 38639-00-8P 620926-83-2P 620926-88-7P
 620926-94-5P 620927-05-1P 620927-06-2P 823817-01-2P
 823817-03-4P 823817-04-5P 823817-05-6P 823817-06-7P
 823817-07-8P 823817-08-9P 823817-09-0P
 823817-27-2P 823817-29-4P 823817-31-8P 823817-33-0P 823817-35-2P
 823817-37-4P 851394-95-1P 851394-96-2P 851394-97-3P
 851447-38-6P 851447-40-0P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetic substance containing a copolymer with (meth)acrylic acid amide units and an ester of p-aminobenzoic acid and use for hair prepns.)

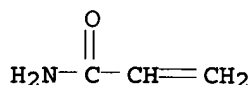
IT 26006-22-4P
 RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetic substance containing a copolymer with (meth)acrylic acid amide units and an ester of p-aminobenzoic acid and use for hair prepns.)

RN 26006-22-4 HCAPLUS
 CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, methyl sulfate, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 79-06-1
 CMF C3 H5 N O

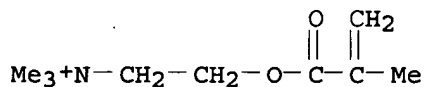


CM 2

CRN 6891-44-7
 CMF C9 H18 N O2 . C H3 O4 S

CM 3

CRN 33611-56-2
 CMF C9 H18 N O2



CM 4

CRN 21228-90-0

CMF C H3 O4 S

Me-O-SO₃⁻

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 3 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:34724 HCAPLUS

DN 142:120180

TI Cosmetic agent containing at least one soluble copolymer having
(meth)acrylamide units

IN Nguyen-Kim, Son; Hoessel, Peter

PA BASF Aktiengesellschaft, Germany

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

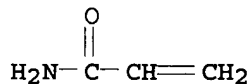
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005002532	A2	20050113	WO 2004-EP6891	20040625
	WO 2005002532	A3	20050317		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	DE 10330396	A1	20050120	DE 2003-10330396	20030704
PRAI	DE 2003-10330396	A	20030704		
OS	MARPAT 142:120180				

AB The invention relates to a cosmetic agent, which contains at least one water-soluble copolymer, which can be obtained by radically copolymerizing acrylamide and/or methacrylamide and addnl. water-soluble α, β -ethylenically unsatd. compds. that can be copolymerized therewith, optionally in the presence of a water-soluble polymeric graft base. The polymers can be used for cosmetic, pharmaceutical preparations, and as coatings on textiles, papers, leather and on prints. Thus 50 copolymers were prepared from acrylamide, methacrylamide, N-vinylpyrrolidone, N-vinylcaprolactam, N-vinylformamide, dimethylacrylamide, polyethyleneglycol methacrylate (Mn-350), dimethylaminomethacrylate-dimethylsulfate, degraded starch, and partially saponified polyvinylalcohol. The viscosity, clarity and tackiness of the prepared polymers was measured. A hair gel was composed of (weight/weight%): Phase 1: acrylamide-methacrylamide copolymer (30% aqueous solution) 10.0; glycerin 0.3; water 39.2; preservatives, soluble, ethoxylated silicone, perfume q.s.; Phase 2: Carbopol 940 (1% aqueous suspension) 30.0; Carbopol Ultrez 21 (1% aqueous suspension) 30.0; triethanol amine 0.5; water 20.0.

IC ICM A61K007-11
CC 62-4 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 38, 40, 43, 63
IT **26006-22-4P** 26124-23-2P 30973-80-9P 38139-94-5P
38639-00-8P 221683-64-3P 620926-83-2P 620926-88-7P
620926-94-5P 823817-01-2P 823817-02-3P 823817-03-4P
823817-04-5P 823817-05-6P 823817-06-7P **823817-07-8P**
823817-08-9P **823817-09-0P** 823817-27-2P 823817-29-4P
823817-31-8P 823817-33-0P 823817-35-2P **823817-37-4P**
RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation);
BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(cosmetic agent containing at least one soluble copolymer having
(meth)acrylamide units)
IT **26006-22-4P**
RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation);
BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(cosmetic agent containing at least one soluble copolymer having
(meth)acrylamide units)
RN 26006-22-4 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, methyl
sulfate, polymer with 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 79-06-1
CMF C3 H5 N O

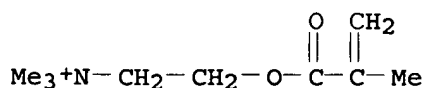


CM 2

CRN 6891-44-7
CMF C9 H18 N O2 . C H3 O4 S

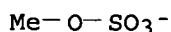
CM 3

CRN 33611-56-2
CMF C9 H18 N O2



CM 4

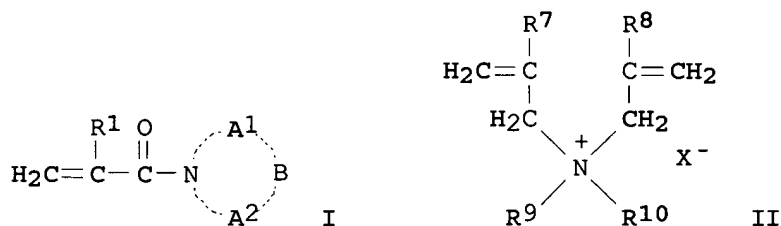
CRN 21228-90-0
CMF C H3 O4 S



L31 ANSWER 4 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:928792 HCAPLUS
 DN 141:397314
 TI Cleaning compositions with good detergency, foamability, and conditioning effect
 IN Yumoto, Masaharu; Horinishi, Nobutaka
 PA Kao Corp., Japan
 SO Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004307700	A2	20041104	JP 2003-104974	20030409
JP 2003-104974		20030409		

PI
 PRAI
 GI



AB Title comps. comprise (A) thickeners composed of cationic copolymers obtained by radical polymerization of ≥ 1 nonionic vinyl monomer selected from CH₂:CR₁C(:O)NR₂R₃ and I, ≥ 1 cationic vinyl monomer selected from CH₂:CR₁C(:O)YZN+R₄R₅R₆X⁻ and II, and ≥ 1 crosslinkable vinyl monomer containing ≥ 2 groups selected from vinyl, acryloyl, methacryloyl, and allyl groups and (B) amide alcs. R₁C(:O)NR₁₁R₁₂OH, wherein R₁, R₇, R₈ = H or methyl; R₂, R₃ = H, linear or branched C1-4 alkyl or alkenyl; R₄, R₅ = C1-4 alkyl or alkenyl; R₆ = H or C1-4 alkyl or alkenyl; R₉, R₁₀ = H or C1-4 alkyl; R₁CO = C₆-24 (hydroxy-containing) (un)saturated acyl; R₁₁ = C1-3 linear or branched alkyl; R₁₂ = C1-6 linear or branched alkylene or C2-6 linear or branched alkenyl; A₁, A₂ = (CH₂)_n; B = O or CH₂; Y = O, NH, CH₂, or OCH₂CH(OH); Z = C1-4 linear or branched alkylene (if Y = CH₂, then C0-3 alkylene); X = conjugated base of acid, halogen atom, or C1-4 alkylsulfate; and n = 2-6 integer. Thus, N-ethyl-N,N-dimethyl-2-methacryloyloxyethylammonium ethylsulfate 23.85, N,N-dimethylacrylamide 71.37, and NK 9G polyethylene glycol dimethacrylate 0.0429 g were polymerized to give a cationic polymer with viscosity 2.5 at shear rate 1 s⁻¹ and 0.5 at shear rate 10 s⁻¹, and tan δ 0.98 at strain 1% and 2.28 at strain 500%, 0.5% of which was mixed with palm kernel oil N-methylethanolamide 3, Lunac L 55 9, Lunac L 98 6.8, Lunac MY 98 2.3, Aminon 3201M ethylene glycol distearate 3, glycerin 3, and 48% potassium hydroxide 9.5, perfume, and balance water to give a cleaning composition with good detergency, foamability, and conditioning effect.

IC ICM C11D003-37
 ICS A61K007-075; A61K007-50; C08F220-04; C08F220-34; C08F220-54; C09K003-00; C11D001-52

CC 46-6 (Surface Active Agents and Detergents)
 Section cross-reference(s): 62

IT 269735-77-5P
 RL: IMF (Industrial manufacture); MOA (Modifier or additive use);
PREP (Preparation); **USES (Uses)**
 (NK 23G, NK 14G, thickener; cleaning compns. with good detergency, foamability, and conditioning effect)

IT 218129-29-4P 218129-36-3P 269735-78-6P 269735-80-0P
 269739-80-2P 269739-81-3P 269739-82-4P 785783-93-9P
 785783-94-0P
 RL: IMF (Industrial manufacture); MOA (Modifier or additive use);
PREP (Preparation); **USES (Uses)**
 (thickener; cleaning compns. with good detergency, foamability, and conditioning effect)

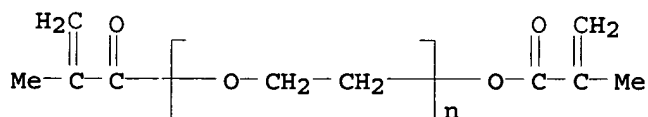
IT 269735-77-5P
 RL: IMF (Industrial manufacture); MOA (Modifier or additive use);
PREP (Preparation); **USES (Uses)**
 (NK 23G, NK 14G, thickener; cleaning compns. with good detergency, foamability, and conditioning effect)

RN 269735-77-5 HCAPLUS

CN Ethanaminium, N-ethyl-N,N-dimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, ethyl sulfate, polymer with N,N-dimethyl-2-propenamide and α -(2-methyl-1-oxo-2-propenyl)- ω -[(2-methyl-1-oxo-2-propenyl)oxy]poly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)

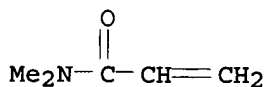
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CRN 25852-47-5
 CMF (C2 H4 O)_n C8 H10 O3
 CCI PMS



CM 2

CRN 2680-03-7
 CMF C5 H9 N O

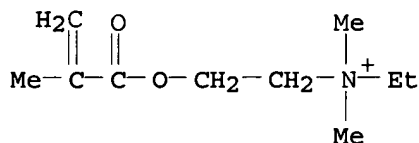


CM 3

CRN 13223-03-5
 CMF C10 H20 N O2 . C2 H5 O4 S

CM 4

CRN 48063-69-0
 CMF C10 H20 N O2



CM 5

CRN 48028-76-8

CMF C2 H5 O4 S

Et-O-SO₃⁻

L31 ANSWER 5 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:139094 HCAPLUS

DN 140:186962

TI Hair conditioners containing polyalkoxysilanes and polyoxyalkylenes

IN Maruyama, Tomoko; Hashimoto, Katsuo

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004051575	A2	20040219	JP 2002-212769	20020722
PRAI	JP 2002-212769		20020722		

AB Hair preps., which show long-lasting hair-conditioning effect, contain polyalkoxysilanes, R1O[(AO)m(EO)n]R2 (I; R1, R2 = C1-4 hydrocarbyl, H; AO = C3-4 oxyalkylene; EO = oxyethylene; m = 5-10; n = 10-20), organic solvents, and polyhydric alcs. A hair treatment 1st agent was prepared from EtOH 94.0, triethoxysilyl group-containing methacrylate polymer 3.0, I (R1 = R2 = Me, AO = oxypropylene, m = 7, n = 14) 3.0 weight%, and **perfume**.

IC ICM A61K007-06
ICS A61K007-075

CC 62-3 (Essential Oils and **Cosmetics**)

IT 216777-05-8P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(hair conditioners containing polyalkoxysilanes and polyoxyalkylenes)

IT 216777-05-8P

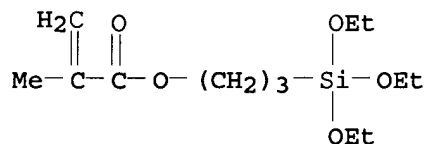
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(hair conditioners containing polyalkoxysilanes and polyoxyalkylenes)

RN 216777-05-8 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with methyl 2-methyl-2-propenoate, 3-(triethoxysilyl)propyl 2-methyl-2-propenoate and 3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]propyl 2-methyl-2-propenoate (9CI)
(CA INDEX NAME)

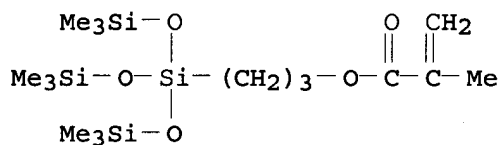
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CRN 21142-29-0
CMF C13 H26 O5 Si



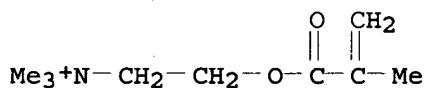
CM 2

CRN 17096-07-0
CMF C16 H38 O5 Si4



CM 3

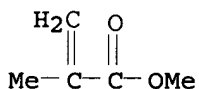
CRN 5039-78-1
CMF C9 H18 N O2 . Cl



● Cl^-

CM 4

CRN 80-62-6
CMF C5 H8 O2



IN Adams, Gerald; Eason, Michael Douglas; Khoshdel, Ezat; Rogers, Susanne
Henning
PA Unilever N.V., Neth.; Unilever PLC; Hindustan Lever Limited
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003075867	A1	20030918	WO 2003-EP301581	20030218
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2003215560	A1	20030922	AU 2003-215560	20030218
	EP 1482900	A1	20041208	EP 2003-743807	20030218
	EP 1482900	B1	20051116		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	US 2005106117	A1	20050519	US 2003-506374	20030218
	JP 2005525373	T2	20050825	JP 2003-574143	20030218
	AT 309777	E	20051215	AT 2003-743807	20030218
PRAI	EP 2002-251712	A	20020312		
	WO 2003-EP1581	W	20030218		

AB Hair treatment composition comprising an ABA block copolymer are disclosed, wherein the A groups are polymeric blocks built up from an unsatd. polymerizable monomer and the B group is a poly(alkylene oxide) block. The composition further comprise a cosmetically acceptable diluent or carrier. Thus, PEG was treated with 2-bromoisobutyryl bromide in the presence of 4-(dimethylamino)pyridine and triethylamine to give the macroinitiator. This macroinitiator was copolymerized with 2-(dimethylamino)ethyl methacrylate in the presence of 2,2'-dipyridyl and copper (I) bromide to give a triblock polymer. A composition contained Silicone emulsion X2-1787, the above triblock polymer 1.5, Volpo CS50 0.3, Sepicide LD 0.4, Cremophor RH40 0.2, EtOH 7.5, CAP-40 8.0, perfume 0.2, and water to 100%.

IC ICM A61K007-06

ICS A61K007-09

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 37

IT Adhesion, physical

Cosmetics

Hair

Odor and Odorous substances

Perfumes

Propellants (sprays and foams)

Surfactants

Thickening agents

Viscosity

(triblock copolymers for cosmetic compns.)

IT 213599-36-1P 837414-96-7P

RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation);

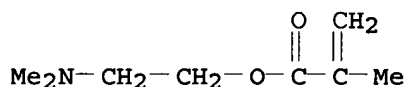
BIOL (Biological study); PREP (Preparation); USES (Uses)

(triblock; triblock copolymers for cosmetic compns.)

IT 213599-36-1P
RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation);
BIOL (Biological study); PREP (Preparation); USES (Uses)
(triblock; triblock copolymers for cosmetic compns.)
RN 213599-36-1 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
oxirane, block (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2
CMF C8 H15 N O2



CM 2

CRN 75-21-8
CMF C2 H4 O



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 7 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:656628 HCAPLUS
DN 139:185328
TI Cosmetic formulations that contain antimicrobial polymers
IN Ottersbach, Peter; Inhester, Martina
PA Creavis Gesellschaft Fuer Technologie Und Innovation m.b.H., Germany
SO PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003068316	A1	20030821	WO 2002-EP13705	20021204
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10205924	A1	20030821	DE 2002-10205924	20020212
	AU 2002358598	A1	20030904	AU 2002-358598	20021204
PRAI	DE 2002-10205924	A	20020212		

WO 2002-EP13705 W 20021204

AB The invention relates to cosmetic applications and formulations that contain antimicrobial polymers. Thus tert-butylaminoethylmethacrylate was polymerized and added to the components of a com. deodorant formulations that included water, aluminum chlorohydrate, PPG-15-stearylether, Steareth-2, Steareth-21, trisodium EDTA, glyceryl laurate, Persea Gratissima, octyldodecanol and bisabolol.

IC ICM A61P017-00
ICS A61K007-48; A61K031-78; A61K031-785

CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 38, 63

IT Antibacterial agents
Beeswax
Dentifrices
Deodorants
Mouthwashes
Perfumes
Persea americana
Shampoos
Shaving preparations
Sunscreens
(cosmetic formulations that contain antimicrobial polymers)

IT 26716-20-1P, tert-Butylaminoethylmethacrylate homopolymer
328060-60-2P 393110-04-8P, 2-Propenamide, N-[(dimethylamino)propyl]-2-methyl-, homopolymer
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic formulations that contain antimicrobial polymers)

IT 26716-20-1P, tert-Butylaminoethylmethacrylate homopolymer
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic formulations that contain antimicrobial polymers)

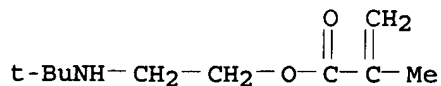
RN 26716-20-1 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 3775-90-4

CMF C10 H19 N O2



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 8 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:467312 HCAPLUS

DN 139:41422

TI Cosmetic media containing at least one copolymer with N-vinyl lactam units prepared in 2-stage radical copolymerization

IN Nguyen, Kim, Son; Hoessel, Peter; Schunter, Walter

PA BASF A.-G., Germany

SO Ger. Offen., 24 pp.
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10160720	A1	20030618	DE 2001-10160720	20011211
	CA 2468765	AA	20030703	CA 2002-2468765	20021210
	WO 2003053381	A1	20030703	WO 2002-EP14015	20021210
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002361042	A1	20030709	AU 2002-361042	20021210
	EP 1455739	A1	20040915	EP 2002-795144	20021210
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	JP 2005516942	T2	20050609	JP 2003-554141	20021210
	US 2005053566	A1	20050310	US 2004-497164	20040608
PRAI	DE 2001-10160720	A	20011211		
	WO 2002-EP14015	W	20021210		
AB	The invention concerns cosmetic media containing water soluble or water dispersible copolymers that are prepared by 2-stage radical copolymerization of N-vinyl lactam, an anionic monomer, an acyclic monomer, optionally α,β -ethylenic unsaturated compounds in the presence of polymer components with repeating ether groups or groups that are derived from vinyl alcohol. The copolymers are used in cosmetics to provide pleasant touch to skin and hair. Thus a copolymer was prepared in two steps (weight/weight%): reagents for the first polymerization were partially saponified polyvinyl alcohol 5; N-vinylpyrrolidone (40) and N-vinylcaprolactam (40); for the second step methacrylic acid (7.5) and Ethyl acrylate (7.5) were the monomers. The copolymer was used in a hair gel as a 10.0 weight/weight% component, other ingredients were (weight/weight%): Phase 1: glycerin 0.2; D-panthenol 0.1; triethanolamine 0.5; water 39.2; perfume q.s; Phase 2: Carbopol 940 30; water 20;.				
IC	ICM A61K007-00				
	ICS A61K007-48; A61K007-02; A61K007-06; C08F226-00; C08F220-18; C08F220-52				
CC	62-3 (Essential Oils and Cosmetics)				
	Section cross-reference(s): 38				
IT	543681-41-0P	543681-42-1P	543681-43-2P	543681-44-3P	
	543681-45-4P	543681-46-5P	543681-47-6P	543681-48-7P	
	543681-49-8P	543681-50-1P	543681-51-2P	543681-52-3P	
	543681-53-4P	543681-54-5P	543681-55-6P		
	RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(cosmetic media containing at least one copolymer with N-vinyl lactam units prepared in 2-stage radical copolymerization.)				
IT	543681-44-3P				
	RL: COS (Cosmetic use); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(cosmetic media containing at least one copolymer with N-vinyl lactam units prepared in 2-stage radical copolymerization.)				
RN	543681-44-3	HCAPLUS			
CN	Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, methyl sulfate, polymer with 1,6-diisocyanatohexane, 1-ethenylhexahydro-2H-azepin-				

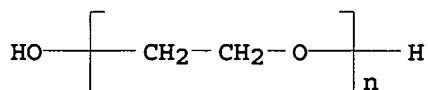
2-one, 1-ethenyl-2-pyrrolidinone, α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl) and 2-methyl-2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 25322-68-3

CMF (C2 H4 O)_n H2 O

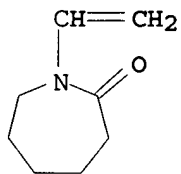
CCI PMS



CM 2

CRN 2235-00-9

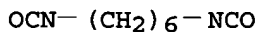
CMF C8 H13 N O



CM 3

CRN 822-06-0

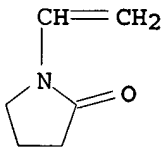
CMF C8 H12 N2 O2



CM 4

CRN 88-12-0

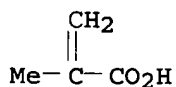
CMF C6 H9 N O



CM 5

CRN 79-41-4

CMF C4 H6 O2



CM 6

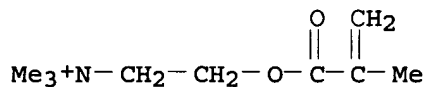
CRN 6891-44-7

CMF C9 H18 N O2 . C H3 O4 S

CM 7

CRN 33611-56-2

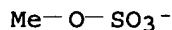
CMF C9 H18 N O2



CM 8

CRN 21228-90-0

CMF C H3 O4 S



L31 ANSWER 9 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:242139 HCAPLUS

DN 138:260088

TI Resin compositions for cosmetics

IN Hiwatashi, Tomoaki; Shibata, Minako; Nishizawa, Osamu; Onoe, Masato; Kitani, Yasuo

PA Mitsubishi Chemical Corporation, Japan

SO PCT Int. Appl., 116 pp.

CODEN: PIXXD2

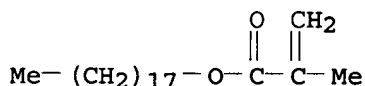
DT Patent

LA Japanese

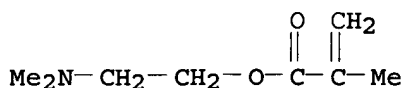
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024414	A1	20030327	WO 2002-JP9338	20020912
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	JP 2003081742	A2	20030319	JP 2001-277521	20010913

JP 2003286142	A2	20031007	JP 2002-93943	20020329
JP 2003335637	A2	20031125	JP 2002-145976	20020521
JP 2003342132	A2	20031203	JP 2002-154294	20020528
JP 2003342133	A2	20031203	JP 2002-156777	20020530
JP 2004051549	A2	20040219	JP 2002-211360	20020719
JP 2004051569	A2	20040219	JP 2002-212443	20020722
EP 1440680	A1	20040728	EP 2002-798830	20020912
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
US 2004223933	A1	20041111	US 2004-798511	20040312
PRAI JP 2001-277521	A	20010913		
JP 2002-93943	A	20020329		
JP 2002-145976	A	20020521		
JP 2002-154294	A	20020528		
JP 2002-156777	A	20020530		
JP 2002-211360	A	20020719		
JP 2002-212443	A	20020722		
WO 2002-JP9338	W	20020912		
AB	Disclosed are resin compns. for cosmetics containing a linear block copolymer which has a constitutional unit derived from a compound having an ethylenic unsatd. bond, has a number-average mol. weight of from 1.0x10 ³ to 1.0x10 ⁶ and has at least two glass transition points or m.p.; compns. for hair cosmetics containing a copolymer which is capable of forming a film having Young's modulus of 50 mPa or above and an elongation at break of 100 % or above, and dispersible in water and/or alcs.; and cosmetics containing these compns. For example, tert-Bu acrylate-2-ethylhexyl acrylate block copolymer (Tg 50°, 43°, and 107°) was prepared A shampoo was formulated containing the the above copolymer 1.5, Na polyethylene glycol lauryl ether sulfate 16, lauroyldiethanolamide 2, perfumes 0.2, preservatives 0.1, colors q.s., and water balance to 100 %.			
IC	ICM A61K007-00			
	ICS A61K007-06; A61K007-04; C08F293-00			
CC	62-3 (Essential Oils and Cosmetics)			
IT	26316-49-4P, N,N-Dimethylaminoethyl methacrylate-stearyl methacrylate copolymer			
	RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(film-forming resin compns. for cosmetics)			
IT	26316-49-4P, N,N-Dimethylaminoethyl methacrylate-stearyl methacrylate copolymer			
	RL: COS (Cosmetic use); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(film-forming resin compns. for cosmetics)			
RN	26316-49-4 HCAPLUS			
CN	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with octadecyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)			
CM	1			
CRN	32360-05-7			
CMF	C22 H42 O2			



CRN 2867-47-2
CMF C8 H15 N O2



RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 10 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:802384 HCAPLUS

DN 137:329253

TI Polymer compositions, hair-coating cosmetics containing them, and their application method

IN Saruwatari, Yoshiyuki

PA Osaka Yuki Kagaku Kogyo Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002308722	A2	20021023	JP 2001-109167	20010406
PRAI	JP 2001-109167		20010406		

AB The compns., which are applied to hair, eyebrow, eyelash, beard, etc., to increase their apparent volume, contain polymers prepared from ≥ 1 monomers chosen from R11R13C:CR12R2X [I; R11-R13 = H, C1-4 alkyl; R2 = organic group; X = (un)substituted Ph] showing refractive index ≥ 1.5000 , I [X = Q; R4 = C1-4 (heteroatom-containing) alkylene; R14, R15 = H, C1-4 alkyl] showing refractive index ≥ 1.5000 , and I (X = SR22; R22 = organic group) showing refractive index ≥ 1.5000 . A mascara was prepared from N,N-dimethylaminoethyl methacrylate benzyl chloride salt homopolymer 40.0, solid paraffin 8.0, lanolin wax 8.0, isoparaffin 30.0, sorbitan sesquioleate 4.0, H2O 10.0, antiseptic, and perfume to 100.0 weight%.

IC ICM A61K007-00

ICS A61K007-032; A61K007-06; A61K007-11; C08F212-04; C08F220-10; C08F220-22; C08F220-38; C08F226-06; C09D201-02

CC 62-3 (Essential Oils and Cosmetics)

IT 9003-39-8P, N-Vinylpyrrolidone homopolymer 26780-21-2P

28214-37-1P 42033-74-9P 99588-80-4P

174492-11-6P, Acrylic acid-benzyl acrylate-benzyl methacrylate-methacrylic acid copolymer 473258-70-7P 473258-71-8P, 2-Hydroxyethyl acrylate-2-hydroxyethyl methacrylate-2-hydroxypropyl acrylate-2-phenoxylethyl acrylate copolymer 473258-72-9P

473258-73-0P 473258-74-1P 473258-75-2P 473258-76-3P

473258-77-4P 473258-78-5P 473259-41-5P, Acrylic

acid-ethylene oxide-2-hydroxypropyl acrylate-styrene graft copolymer p-cumylphenyl ether

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair-coating cosmetics containing polymers having aromatic ring, heterocyclic ring, or S)

IT 28214-37-1P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological

study); PREP (Preparation); USES (Uses)

(hair-coating cosmetics containing polymers having aromatic ring, heterocyclic ring, or S)

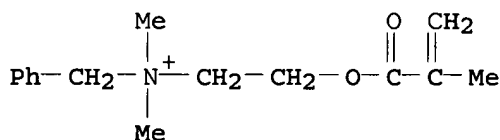
RN 28214-37-1 HCAPLUS

CN Benzenemethanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-, chloride, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 46917-07-1

CMF C15 H22 N O2 . Cl

● Cl⁻

L31 ANSWER 11 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:428955 HCAPLUS

DN 137:24142

TI Surfactant-free cosmetic, dermatological and pharmaceutical agents

IN Loeffler, Matthias; Morschhaeuser, Roman

PA Clariant GmbH, Germany

SO PCT Int. Appl., 55 pp.

CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 16

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002044231	A1	20020606	WO 2001-EP13860	20011128
	W: BR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	DE 10059821	A1	20020613	DE 2000-10059821	20001201
	JP 2002201111	A2	20020716	JP 2001-295992	20010927
	EP 1339766	A1	20030903	EP 2001-998570	20011128
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
	BR 2001015810	A	20030916	BR 2001-15810	20011128
	US 2004109836	A1	20040610	US 2003-433175	20031117
PRAI	DE 2000-10059821	A	20001201		
	WO 2001-EP13860	W	20011128		

AB The invention relates to surfactant-free cosmetic, dermatol. and pharmaceutical agents that contain at least one copolymer, obtainable by radical copolymerization of (A) acryloyldimethyltaurine acid and/or acryloyldimethyltaurates, (B) optionally one or more other olefinically unsaturated, non-cationic comonomers, (C) optionally one or more olefinically unsaturated, cationic comonomers, (D) optionally one or more silicon-containing component(s), (E) optionally one or more fluorine-containing component(s), and (F) optionally one or more macromonomers, with the copolymer optionally proceeding in the presence of (G) at least one polymer additive, with the

proviso that component (A) is copolymerized with at least one component selected from groups (D) to (G). A typical skin lotion with keratolytic action contained 1.0% polymer prepared by polymerization of 80 g AMPS and 0.6 g allyl methacrylate in the presence of 20 g Genapol LA040 (polyethylene glycol C12-14 alkyl ether), 4% mineral oil, 4% almond oil, 8% Cetiol SN, 0.3% Aristoflex AVC, 0.3% citric acid, 0.4% malic acid, 0.7% glycolic acid, 0.7% lactic acid, and 0.3% perfume, with the remainder being water.

IC ICM C08F291-00

ICS A61K007-48; A61K007-06; C08F290-06; C08L051-00; C08F002-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

IT 1873-88-7DP, polyoxyalkylene derivs., esters, with acryloyldimethyltaurine acid-based polymers 9003-01-4DP, Polyacrylic acid, reaction products with acryloyldimethyltaurine acid-based polymers 9003-05-8DP, Polyacrylamide, reaction products with acryloyldimethyltaurine acid-based polymers 9003-39-8DP, Poly-N-vinylpyrrolidone, reaction products with acryloyldimethyltaurine acid-based polymers 25087-26-7DP, Polymethacrylic acid, reaction products with acryloyldimethyltaurine acid-based polymers 25189-83-7DP, Poly-N-vinylcaprolactam, reaction products with acryloyldimethyltaurine acid-based polymers 25322-68-3DP, Polyethylene glycol, fatty alkyl ethers, esters, with acryloyldimethyltaurine acid-based polymers 25322-69-4DP, Polypropylene glycol, reaction products with acryloyldimethyltaurine acid-based polymers 26062-79-3DP, Polydiallyldimethylammonium chloride, reaction products with acryloyldimethyltaurine acid-based polymers 26161-33-1DP, Poly-2-methacryloyloxyethyltrimethylammonium chloride, reaction products with acryloyldimethyltaurine acid-based polymers 26616-03-5DP, Poly-N-vinyl-N-methylacetamide, reaction products with acryloyldimethyltaurine acid-based polymers 28408-65-3DP, Poly-N-vinylacetamide, reaction products with acryloyldimethyltaurine acid-based polymers 31851-82-8DP, Poly-N-vinylmorpholine, reaction products with acryloyldimethyltaurine acid-based polymers 50885-97-7DP, Polyhydroxymethyl methacrylate, reaction products with acryloyldimethyltaurine acid-based polymers 72018-12-3DP, Poly-N-vinylformamide, reaction products with acryloyldimethyltaurine acid-based polymers 201338-09-2DP, 2-Acrylamido-2-methyl-1-propanesulfonic acid-TMPTA copolymer, esters with polyethylene glycol monoalkyl ethers 433922-71-5DP, 2-Acrylamido-2-methyl-1-propanesulfonic acid-allyl methacrylate copolymer, esters with polyethylene glycol monoalkyl ethers or polyoxyalkylene-polysiloxanes 434938-49-5P
RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); **PREP** (Preparation); USES (Uses)

(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

IT 26161-33-1DP, Poly-2-methacryloyloxyethyltrimethylammonium chloride, reaction products with acryloyldimethyltaurine acid-based polymers

RL: COS (Cosmetic use); IMF (Industrial manufacture); TEM (Technical or engineered material use); BIOL (Biological study); **PREP** (Preparation); USES (Uses)

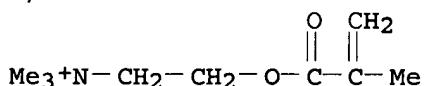
(surfactant-free cosmetic, dermatol. and pharmaceutical agents containing acryloyldimethyltaurate-based polymers)

RN 26161-33-1 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 5039-78-1
CMF C9 H18 N O2 . Cl



● Cl-

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 12 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:736921 HCAPLUS

DN 135:293704

TI Sulfo group-containing polysiloxane block copolymers and cosmetics containing them

IN Miyazawa, Kazuyuki; Kaneda, Isamu; Hariki, Toshio

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2001278982	A2	20011010	JP 2000-96949	20000331
PRAI	JP 2000-96949		20000331		

AB Cosmetics contain block copolymers comprising polysiloxane blocks CR2R3(CH2)pCOABSi(R1)2[OSi(R1)2]mOSi(R1)2BA or COYCOABSi(R1)2[OSi(R1)2]mOSi(R1)2BA [R1 = H, C1-6 alkyl, Ph; R2 = H, C1-6 alkyl; R3 = C1-6 alkyl, cyano; Y = dibasic acid residue; A = NH, O; B = (O-containing) C1-6 alkylene; m = 1-10,000; p = 0-6] and hydrophilic blocks containing SO3H. The copolymers improve pigment dispersibility. A lipstick was prepared from TiO2 5, candelilla wax 9, solid paraffin 8, beeswax 5, carnauba wax 5, polydimethylsiloxane 26.5, decamethylcyclopentasiloxane 20, lanolin 11, iso-Pr myristate 10, block copolymer [prepared from poly[polydimethylsiloxane-4,4'-azobis(4-cyanopentanamidopropyl)], 2-acrylamido-2-methylpropanesulfonic acid, N-stearylacrylamide, and glyceryl methacrylate] 0.5, antiseptic, and perfume to 100 weight%.

IC ICM C08G077-442

ICS A61K007-00; A61K007-021; A61K007-027; A61K007-031; A61K007-032; A61K007-043; A61K007-13; A61K007-38; A61K007-42

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 35

IT 365220-85-5P 365220-87-7P 365220-89-9P 365220-91-3P

365220-93-5P 365220-95-7P 365220-97-9P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetics containing sulfo group-containing polysiloxane block copolymers as pigment dispersants)

IT 365220-89-9P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(cosmetics containing sulfo group-containing polysiloxane block copolymers as

pigment dispersants)

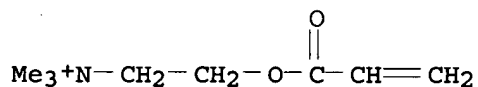
RN 365220-89-9 HCAPLUS

CN Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride,
polymer with α -hydro- ω -hydroxypoly[oxy(dimethylsilylene)],
2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid and octadecyl
2-propenoate, block (9CI) (CA INDEX NAME)

CM 1

CRN 44992-01-0

CMF C8 H16 N O2 . Cl

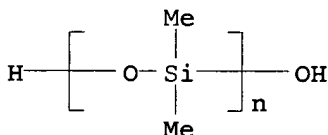
● Cl⁻

CM 2

CRN 31692-79-2

CMF (C2 H6 O Si)_n H2 O

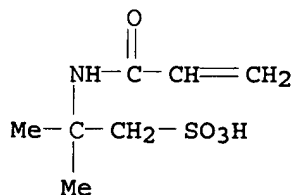
CCI PMS



CM 3

CRN 15214-89-8

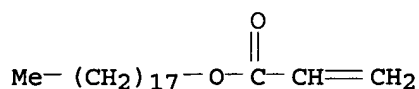
CMF C7 H13 N O4 S



CM 4

CRN 4813-57-4

CMF C21 H40 O2



L31 ANSWER 13 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:199289 HCAPLUS

DN 132:241663

TI Oil-in-alcohol-type hair-styling compositions containing polyether-silicone emulsifiers and cationic polymers

IN Ohmura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086466	A2	20000328	JP 1998-270591	19980908
PRAI	JP 1998-270591		19980908		

AB The compns. contain oils, lower alcs., H₂O, polyether-silicone emulsifiers ASiR2O(SiR2O)m(SiRB1O)nSiR2A (I; A = Me, Ph, B1; B1 = C₃H₆O(C₂H₄O)a(C₃H₆O)bR'; R' = H, acyl, C1-4 alkyl; a, b = 5-50; R = Me, Ph; m = 50-1000; n = 0-40), and cationic polymers prepared by modification of copolymers from CH₂:CR1COXR2NR3R4 (R1 = H, Me; R2 = C1-4 alkylene; R3, R4 = C1-4 alkyl; X = O, NH) 50-90, CH₂:CR5CO2R6 (R5 = H, Me; R6 = C12-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C1-4 alkyl sulfate residue; E = C1-12 alkyl, benzyl, C1-3 fatty acid C1-4 alkyl ester residue). A hair cream containing dimethylpolysiloxane 2.0, liquid isoparaffin 30.0, isoparaffin solution containing 50% I [A, R = Me, B1 = (CH₂)₃O(C₂H₄O)a(C₃H₆O)b, R' = H, m = 400, n = 10, a = b = 24] 20.0, EtOH 37.4, dimethylaminoethyl methacrylate-stearyl acrylate-tridecyl methacrylate copolymer compound with BuCl 3.0, perfume, paraben, antioxidant, and H₂O to 100 weight% was not sticky and showed good hair-styling and -smoothing effects.

IC ICM A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 175842-24-7P 175842-25-8P 261919-83-9P

261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)

(oil-in-alc. hair-styling compns. containing polyoxyalkylene-siloxane emulsifiers and cationized polymers)

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)

(oil-in-alc. hair-styling compns. containing polyoxyalkylene-siloxane emulsifiers and cationized polymers)

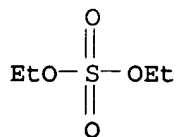
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

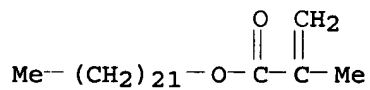
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

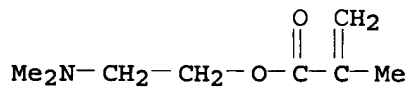
CMF C26 H50 O2



CM 4

CRN 2867-47-2

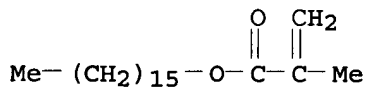
CMF C8 H15 N O2



CM 5

CRN 2495-27-4

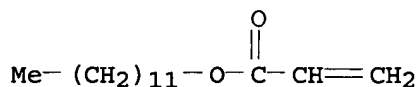
CMF C20 H38 O2



CM 6

CRN 2156-97-0

CMF C15 H28 O2



L31 ANSWER 14 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:199288 HCAPLUS

DN 132:241662

TI Hair-styling preparations containing cationic polymers and Plant extracts

IN Ohmura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086461	A2	20000328	JP 1998-280546	19980916
PRAI	JP 1998-280546		19980916		

AB Hair cosmetics contain (A) cationic polymers prepared by modification of copolymers from CH₂:CR₁COXR₂NR₃R₄ (R₁ = H, Me; R₂ = C1-4 alkylene; R₃, R₄ = C1-4 alkyl; X = O, NH) 50-90, CH₂:CR₅CO₂R₆ (R₅ = H, Me; R₆ = C12-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C1-4 alkyl sulfate residue; E = C1-12 alkyl, benzyl, C1-3 fatty acid C1-4 alkyl ester residue) and (B) plant exts. A hair preparation containing decamethylcycllopentasiloxane 15.0, dimethylpolysiloxane 3.0, 1,3-butylene glycol 2.0, polyoxyethylene hydrogenated castor oil 2.0, dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer compound with Et₂SO₄ 1.0, ginkgo extract 1.0, Phellodendron amurense extract 1.0, EtOH 15.0, **perfume**, and H₂O to 100 weight% showed hair-smoothing and -styling effects.

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 175842-24-7P 175842-25-8P 261919-83-9P
261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);

BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(hair-smoothing and -styling preps. containing cationized polymers and plant exts.)

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);

BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(hair-smoothing and -styling preps. containing cationized polymers and plant exts.)

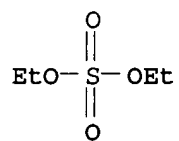
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

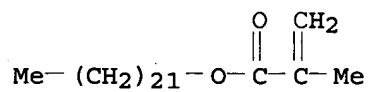
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

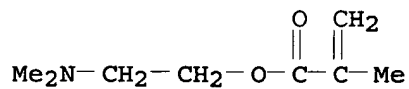
CMF C26 H50 O2



CM 4

CRN 2867-47-2

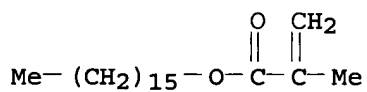
CMF C8 H15 N O2



CM 5

CRN 2495-27-4

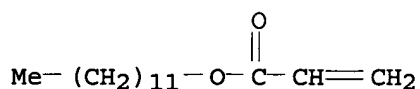
CMF C20 H38 O2



CM 6

CRN 2156-97-0

CMF C15 H28 O2



L31 ANSWER 15 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:197955 HCAPLUS

DN 132:241659

TI Hair-styling compositions containing cationic polymers

IN Ohmura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086468	A2	20000328	JP 1998-270593	19980908
PRAI	JP 1998-270593		19980908		

AB The compns. contain (A) cationic polymers prepared by modification of copolymers from CH₂:CR₁COXR₂NR₃R₄ (R₁ = H, Me; R₂ = C1-4 alkylene; R₃, R₄ = C1-4 alkyl; X = O, NH) 50-90, CH₂:CR₅CO₂R₆ (R₅ = H, Me; R₆ = C12-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C1-4 alkyl sulfate residue; E = C1-12 alkyl, benzyl, C1-3 fatty acid C1-4 alkyl ester residue) and (B) 7:3 to 3:7 vinylpyrrolidone-vinyl acetate copolymer (I). A hair preparation containing decamethylcyclopentasiloxane 15.0, dimethylpolysiloxane 3.0, 1,3-butylene glycol 2.0, polyoxyethylene hydrogenated castor oil 2.0, dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer compound with Et₂SO₄ 5.0, I 3.0, EtOH 15.0, perfume, and H₂O to 100 weight% was not sticky and showed good hair-styling and -smoothing effects.

IC ICM A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 175842-24-7P 175842-25-8P 261919-83-9P
261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);
BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(hair-smoothing and -styling preps. containing cationized polymers and vinylpyrrolidone-vinyl acetate copolymer)

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);
BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(hair-smoothing and -styling preps. containing cationized polymers and vinylpyrrolidone-vinyl acetate copolymer)

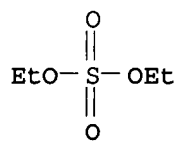
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

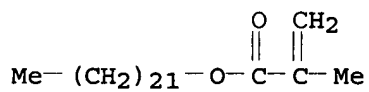
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

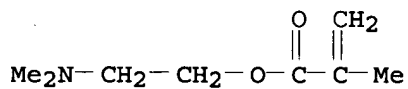
CMF C26 H50 O2



CM 4

CRN 2867-47-2

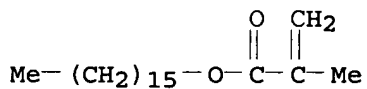
CMF C8 H15 N O2



CM 5

CRN 2495-27-4

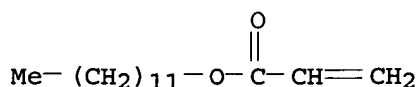
CMF C20 H38 O2



CM 6

CRN 2156-97-0

CMF C15 H28 O2



L31 ANSWER 16 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:197954 HCAPLUS

DN 132:241658

TI Hair-styling compositions containing cationic polymers

IN Ohmura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086467	A2	20000328	JP 1998-270592	19980908
PRAI	JP 1998-270592		19980908		

AB The compns. contain (A) cationic polymers prepared by modification of copolymers from CH₂:CR₁COXR₂NR₃R₄ (R₁ = H, Me; R₂ = C1-4 alkylene; R₃, R₄ = C1-4 alkyl; X = O, NH) 50-90, CH₂:CR₅CO₂R₆ (R₅ = H, Me; R₆ = C12-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C1-4 alkyl sulfate residue; E = C1-12 alkyl, benzyl, C1-3 fatty acid C1-4 alkyl ester residue) and (B) vinylpyrrolidone-N,N-dimethylaminoethyl methacrylate copolymer di-Et sulfate salt (I) (vinylpyrrolidone units/quaternized N,N-dimethylaminoethyl methacrylate units = 2/8 to 8/2). A hair preparation containing decamethylcyclopentasiloxane 15.0, dimethylpolysiloxane 3.0, 1,3-butylene glycol 2.0, polyoxyethylene hydrogenated castor oil 2.0, dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer compound with Et₂SO₄ 5.0, I 7.0, EtOH 15.0, perfume, and H₂O to 100 weight% was not sticky and showed good hair-styling and -smoothing effects.

IC ICM A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 175842-24-7P 175842-25-8P 261919-83-9P
261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(hair-smoothing and -styling preps. containing cationized acrylic polymers)

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)
(hair-smoothing and -styling preps. containing cationized acrylic polymers)

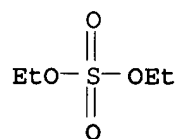
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

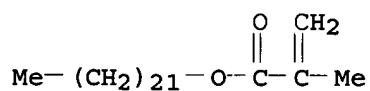
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

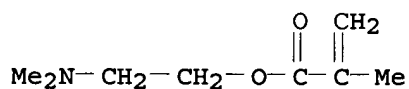
CMF C26 H50 O2



CM 4

CRN 2867-47-2

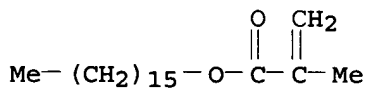
CMF C8 H15 N O2



CM 5

CRN 2495-27-4

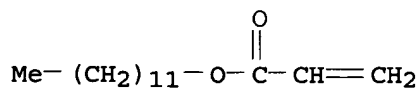
CMF C20 H38 O2



CM 6

CRN 2156-97-0

CMF C15 H28 O2



L31 ANSWER 17 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:197952 HCAPLUS

DN 132:241657

TI Hair-smoothing and -styling preparations containing cationic polymers and keratin degradation products

IN Omura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086464	A2	20000328	JP 1998-280549	19980916
PRAI	JP 1998-280549		19980916		

AB Hair cosmetics contain (A) cationic polymers prepared by modification of copolymers from CH₂:CR₁COXR₂NR₃R₄ (R₁ = H, Me; R₂ = C₁-4 alkylene; R₃, R₄ = C₁-4 alkyl; X = O, NH) 50-90, CH₂:CR₅CO₂R₆ (R₅ = H, Me; R₆ = C₁₂-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C₁-4 alkyl sulfate residue; E = C₁-12 alkyl, benzyl, C₁-3 fatty acid C₁-4 alkyl ester residue) and (B) keratin hydrolyzates, alkali salts of oxidized keratins, and/or alkali salts of thiol derivs. of reduced keratins. A hair preparation containing decamethylcyclopentasiloxane 15.0, α-keratose from wool fibers 1.0, keratin-S-(2-acrylamido-2-methylpropanesulfonic acid) derivative 1.0, 1,3-butylene glycol 2.0, polyoxyethylene hydrogenated castor oil 2.0, dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer compound with Et₂SO₄ 1.0, EtOH 15.0, perfume, and H₂O to 100 weight% showed hair-smoothing, -styling, and -conditioning effects.

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 64-69-7DP, Iodoacetic acid, keratin derivs. 110-16-7DP, Maleic acid, keratin derivs. 15214-89-8DP, 2-Acrylamido-2-methylpropanesulfonic acid, keratin derivs. 26914-43-2DP, Styrenesulfonic acid, keratin derivs. 175842-24-7P 175842-25-8P 261919-83-9P 261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);

BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair-smoothing and -styling preps. containing cationized polymers and keratin degradation products (derivs.))

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);

BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair-smoothing and -styling preps. containing cationized polymers and keratin degradation products (derivs.))

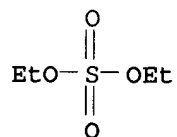
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

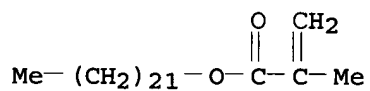
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

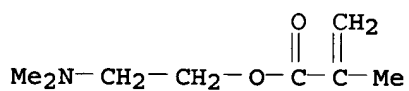
CMF C26 H50 O2



CM 4

CRN 2867-47-2

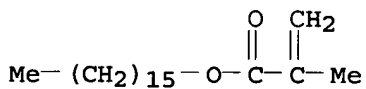
CMF C8 H15 N O2



CM 5

CRN 2495-27-4

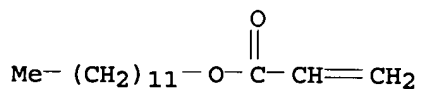
CMF C20 H38 O2



CM 6

CRN 2156-97-0

CMF C15 H28 O2



L31 ANSWER 18 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:197951 HCAPLUS

DN 132:255738

TI Hair-smoothing and -styling preparations containing cationized polymers

IN Ohmura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086463	A2	20000328	JP 1998-280548	19980916
PRAI	JP 1998-280548		19980916		

AB Hair cosmetics contain (A) cationic polymers prepared by modification of copolymers from CH₂:CR₁COXR₂NR₃R₄ (R₁ = H, Me; R₂ = C₁-4 alkylene; R₃, R₄ = C₁-4 alkyl; X = O, NH) 50-90, CH₂:CR₅CO₂R₆ (R₅ = H, Me; R₆ = C₁₂-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C₁-4 alkyl sulfate residue; E = C₁-12 alkyl, benzyl, C₁-3 fatty acid C₁-4 alkyl ester residue) and (B) phospholipids, proteins, protein hydrolyzates, and/or their derivs. A hair preparation containing decamethylcyclopentasiloxane 15.0, soya lecithin 1.0, elastin 1.0, 1,3-butylene glycol 2.0, polyoxyethylene hydrogenated castor oil 2.0, dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer compound with Et₂SO₄ 1.0, EtOH 15.0, **perfume**, and H₂O to 100 weight% showed hair-smoothing, -styling, and -conditioning effects.

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 175842-24-7P 175842-25-8P 261919-83-9P

261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);

BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(hair-smoothing and -styling preps. containing cationized polymers and phospholipids and/or proteins (hydrolyzates))

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);

BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(hair-smoothing and -styling preps. containing cationized polymers and phospholipids and/or proteins (hydrolyzates))

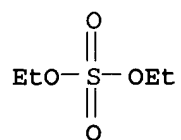
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

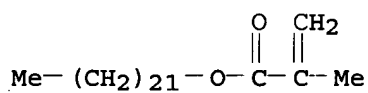
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

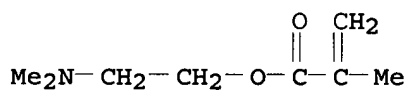
CMF C26 H50 O2



CM 4

CRN 2867-47-2

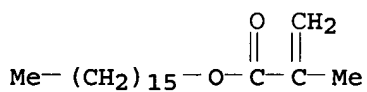
CMF C8 H15 N O2



CM 5

CRN 2495-27-4

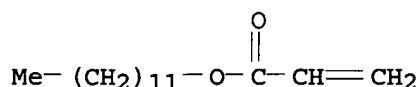
CMF C20 H38 O2



CM 6

CRN 2156-97-0

CMF C15 H28 O2



L31 ANSWER 19 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:197950 HCAPLUS

DN 132:241656

TI Hair-smoothing and -styling preparations containing cationic polymers and silyl peptides

IN Ohmura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 15 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086462	A2	20000328	JP 1998-280547	19980916
PRAI	JP 1998-280547		19980916		

AB Hair cosmetics contain (A) cationic polymers prepared by modification of copolymers from CH₂:CR₁COXR₂NR₃R₄ (R₁ = H, Me; R₂ = C₁-4 alkylene; R₃, R₄ = C₁-4 alkyl; X = O, NH) 50-90, CH₂:CR₅CO₂R₆ (R₅ = H, Me; R₆ = C₁₂-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C₁-4 alkyl sulfate residue; E = C₁-12 alkyl, benzyl, C₁-3 fatty acid C₁-4 alkyl ester residue) and (B) silyl peptides R₇R₈R₉Si(CH₂)_a[NHCH[R₁₀NH(CH₂)_aSiR₇R₈R₉]CO]_m(NHCHR₁₁CO)NOH or R₇R₈R₉Si(CH₂)_aOCH₂CH(OH)CH₂[NHCH[R₁₀NHCH₂CH(OH)CH₂O(CH₂)_aSiR₇R₈R₉]CO]_m(NHC HR₁₁CO)NOH [R₇-R₉ = C₁-3 alkyl, OH; R₁₀ = basic amino acid residue; R₁₁ = amino acid side chain other than R₁₁; a = 1, 3; m, n = 0-200; m + n = 1-200; m and n indicate the nos. of amino acids and do not show the order of amino acid sequences]. A hair preparation containing decamethylcyclopentasiloxane 15.0, collagen hydrolyzate γ-glycidoxypopyldimethoxymethylsilane derivative 1.5, yeast protein hydrolyzate γ-glycidoxypopyldiethoxymethylsilane derivative 1.5, 1,3-butyleneglycol 2.0, polyoxyethylene hydrogenated castor oil 2.0, dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer compound with Et₂SO₄ 1.0, EtOH 15.0, perfume, and H₂O to 100 weight% showed hair-smoothing, -styling, and -conditioning effects.

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 2530-83-8DP, (γ-Glycidoxypopyl)trimethoxysilane, reaction products with yeast protein hydrolyzate 2897-60-1DP, (3-Glycidoxypopyl)diethoxymethylsilane, reaction products with keratin hydrolyzate 3695-73-6DP, Glycyl-L-alanine, reaction products with dimethoxy(glycidoxymethyl)methylsilane 10098-89-2DP, L-Lysine hydrochloride, reaction products with (glycidoxypopyl)trimethoxysilane 56900-02-8DP, reaction products with soybean protein hydrolyzate 65799-47-5DP, (γ-Glycidoxypopyl)dimethoxymethylsilane, reaction products with collagen hydrolyzate 175842-24-7P 175842-25-8P 176385-25-4DP, reaction products with L-lysine hydrochloride 214358-78-8DP, reaction products with wheat protein hydrolyzate 261919-83-9P 261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair-smoothing and -styling prepns. containing cationized polymers and silyl peptides)

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(hair-smoothing and -styling prepns. containing cationized polymers and silyl peptides)

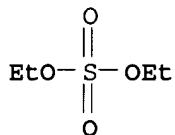
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

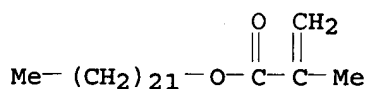
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

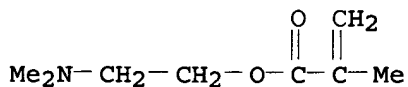
CMF C26 H50 O2



CM 4

CRN 2867-47-2

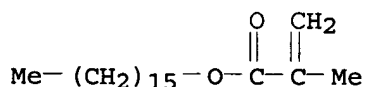
CMF C8 H15 N O2



CM 5

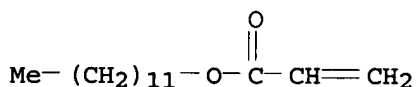
CRN 2495-27-4

CMF C20 H38 O2



CM 6

CRN 2156-97-0
CMF C15 H28 O2



L31 ANSWER 20 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:197949 HCAPLUS

DN 132:241655

TI Hair cosmetics containing polysiloxane-oxyalkylene block copolymers and cationic polymers

IN Omura, Takayuki; Nanba, Tomiyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086460	A2	20000328	JP 1998-280545	19980916
PRAI	JP 1998-280545		19980916		

AB Hair cosmetics contain (A) polysiloxane-oxyalkylene block copolymers [R1(SiMe2O)aSiMe2R2O(C2H4O)b(C3H6O)c]x (I; R1, R2 = C2-4 hydrocarbylene; a = 1-1000; b, c = 0-1000; b = c ≠ 0; x = 1-100) and (B) cationic polymers prepared by modification of copolymers from CH2:CR3COXR4NR5R6 (R3 = H, Me; R4 = C1-4 alkylene; R5, R6 = C1-4 alkyl; X = O, NH) 50-90, CH2:CR7CO2R8 (R7 = H, Me; R8 = C12-24 alkyl) 10-50, and other monomers 0-25 weight% with cationization agents YE (Y = Br, Cl, I, C1-4 alkyl sulfate residue; E = C1-12 alkyl, benzyl, C1-3 fatty acid C1-4 alkyl ester residue). A hair preparation containing decamethylcyclopentasiloxane 15.0, I (R1 = R2 = C3H6, a = 60, b = c = 40, x = 10) 3.0, 1,3-butylene glycol 2.0, polyoxyethylene hydrogenated castor oil 2.0, dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer compound with Et2SO4 1.0, EtOH 15.0, **perfume**, and H2O to 100 weight% showed hair-smoothing, -styling, and -conditioning effects.

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

IT 175842-24-7P 175842-25-8P 261919-83-9P

261949-40-0P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);

BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair-smoothing and -styling preps. containing polysiloxane-oxyalkylene block copolymers and cationized polymers)

IT 175842-24-7P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);
 BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
 (hair-smoothing and -styling prepns. containing polysiloxane-oxyalkylene
 block copolymers and cationized polymers)

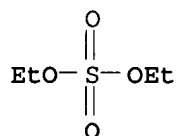
RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
 docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl
 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5

CMF C4 H10 O4 S



CM 2

CRN 154150-92-2

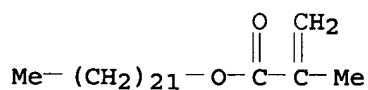
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x

CCI PMS

CM 3

CRN 16669-27-5

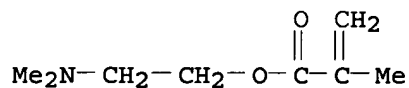
CMF C26 H50 O2



CM 4

CRN 2867-47-2

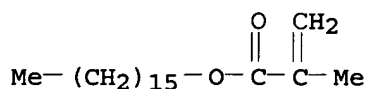
CMF C8 H15 N O2



CM 5

CRN 2495-27-4

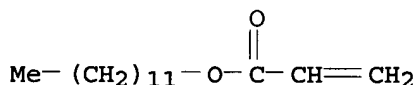
CMF C20 H38 O2



CM 6

CRN 2156-97-0

CMF C15 H28 O2



L31 ANSWER 21 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:197932 HCAPLUS

DN 132:227159

TI Nonsticky cosmetic gels containing polymeric thickening agents

IN Kawazoe, Satoyuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 26 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000086439	A2	20000328	JP 1998-264510	19980918
PRAI	JP 1998-264510		19980918		

AB The cosmetic gels contain 0.01-10.0 weight% cationic thickening agents prepared from monomers CH₂:CR₁COABNR₂R₃ (R₁ = H, Me; R₂, R₃ = H, C₁-4 alkyl; A = O, NH; B = linear or branched C₁-4 alkylene) 15-85, CH₂:CR₁R₄ (R₁ = same as above; R₄ = Q, CONH₂; p = 3, 4) 0-80.0, CH₂:CR₁COAR₅R₆ [R₁, A = same as above; R₅ = linear or branched C₁-17 alkylene, (C_nH_{2n}O_n)_q; n = 1-4; q = 1-25; R₆ = H, Me] 1.0-60.0, and crosslinking vinyl monomers 0.1-20.0 weight% and 0.001-5.0 weight% nonionic polymer thickening agents showing viscosity of 1% aqueous solution (30°) ≥500 mPa-s. A hair gel (viscosity 12,000 mPa-s at 30°) containing N,N-dimethylaminoethyl methacrylate -N-vinylpyrrolidone-stearyl acrylate-tripropylene glycol diacrylate copolymer (preparation given) 1.5, hydroxyethyl cellulose (viscosity of 1% aqueous solution at 30° 6000 mPa-s) 0.001, EtOH 20.0, H₃PO₄ 0.45, vinylpyrrolidone-vinyl acetate copolymer 3.0, vinylpyrrolidone-dimethylaminoethyl methacrylate copolymer cationic derivative 5.0, polyoxyethylene-polyoxypropylene decyltetradecyl ether 1.0, perfume 0.1, plant extract, and H₂O to 100 weight% was not sticky and spread well on the skin.

IC ICM A61K007-00

ICS A61K007-00; A61K007-06; A61K007-48; A61K007-032; A61K007-035; A61K007-043; A61K007-047; A61K007-42; A61K007-50

CC 62-3 (Essential Oils and Cosmetics)

IT 160364-67-0P

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);

PNU (Preparation, unclassified); BIOL (Biological study); PREP

(Preparation); USES (Uses)

(nonsticky cosmetic gels containing cationic acrylic polymers and nonionic

cellulose derivative as thickening agents)

IT 160364-67-0P

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);

PNU (Preparation, unclassified); BIOL (Biological study); **PREP**

(Preparation); USES (Uses)

(nonsticky cosmetic gels containing cationic acrylic polymers and nonionic cellulose derivative as thickening agents)

RN 160364-67-0 HCAPLUS

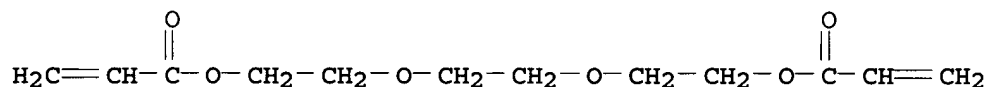
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 42978-66-5

CMF C15 H24 O6

CCI IDS

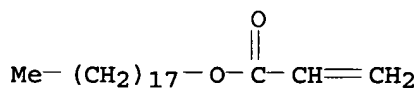


3 (D1-Me)

CM 2

CRN 4813-57-4

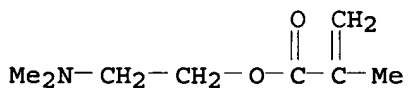
CMF C21 H40 O2



CM 3

CRN 2867-47-2

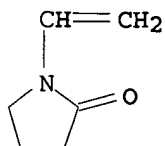
CMF C8 H15 N O2



CM 4

CRN 88-12-0

CMF C6 H9 N O



L31 ANSWER 22 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:795079 HCAPLUS

DN 130:43117

TI Copolymer containing reactive silyl groups, composition containing the same, and method of treatment with the same

IN Miyazawa, Kazuyuki; Yanaki, Toshio; Matsuzaki, Fumiaki

PA Shiseido Co., Ltd., Japan

SO PCT Int. Appl., 105 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

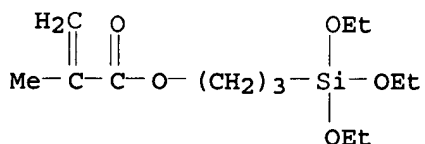
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9854255	A1	19981203	WO 1998-JP2407	19980601
	W: CN, KR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 11080277	A2	19990326	JP 1997-249547	19970829
	JP 11080711	A2	19990326	JP 1997-249548	19970829
	JP 11124312	A2	19990511	JP 1997-306442	19971020
	JP 11043415	A2	19990216	JP 1998-55753	19980220
	JP 3664866	B2	20050629		
	EP 918069	A1	19990526	EP 1998-923063	19980601
	R: DE, FR, GB, IT				
	JP 11302129	A2	19991102	JP 1998-151537	19980601
	JP 3670841	B2	20050713		
	JP 11302140	A2	19991102	JP 1998-151539	19980601
	TW 550271	B	20030901	TW 1998-87108518	19980601
	US 6326011	B1	20011204	US 1999-230582	19990128
	KR 2000029722	A	20000525	KR 1999-700825	19990130
PRAI	JP 1997-157675	A	19970530		
	JP 1997-157676	A	19970530		
	JP 1997-157677	A	19970530		
	JP 1997-249547	A	19970829		
	JP 1997-249548	A	19970829		
	JP 1997-306442	A	19971020		
	JP 1998-55751	A	19980220		
	JP 1998-55752	A	19980220		
	JP 1998-55753	A	19980220		
	WO 1998-JP2407	W	19980601		

AB Disclosed is a composition containing a copolymer having silyl groups each having at least one reactive functional group bonded thereto. The copolymer preferably comprises a monomer which has an alkyl (meth)acrylate and a siloxane-containing (meth)acrylic ester as constituent monomers. The film forming method of the invention comprises hydrolyzing the composition on a material to be treated to crosslink mols. of the copolymer to thereby form a coating of the crosslinked polymer with excellent resistance to cleaning. The coating is effective in modifying the nature of hairs, improving makeup retention, and protecting the skin and in imparting water repellency, unsusceptibility to fouling, suitability for sizing, and crease resistance to fibers, and enables a cosmetic pack preparation of

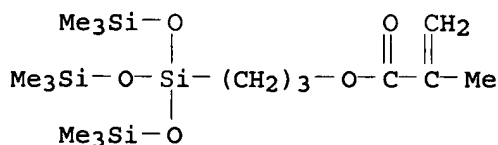
peeling-off type to be improved in skin-cleaning ability, applicability, and strippability and to have a heightened film strength. A hair spray contained 3-(trimethoxysilyl)propyl methacrylate-Me methacrylate copolymer 1, ethanol 47, ethoxylated hydrogenated castor oils 1, octyl palmitate 1, perfumes q.s., and LPG 50 parts.

ICM C08L043-04
ICS C08L083-07; C08L033-06; C08L033-14; C08F030-08; C08F020-10; C08F020-34; C08F290-06; C08G077-20; A61K007-00; A61K007-48; C09K003-18; D06M015-643; D06M013-513
CC 62-3 (Essential Oils and Cosmetics)
IT 26936-30-1P, Methyl methacrylate-3-(trimethoxysilyl)propyl methacrylate copolymer 75944-16-0P 152244-88-7P 182558-92-5P 190894-76-9P 216776-83-9P 216776-87-3P 216776-95-3P 216777-00-3P 216777-05-8P 216777-11-6P 216777-18-3P 216777-24-1P 216777-28-5P 216777-33-2P 216777-39-8P 216777-44-5P 216777-52-5P 216777-56-9P 216777-64-9P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(methacrylate copolymers containing reactive silyl groups for cosmetic uses)
IT 216777-05-8P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(methacrylate copolymers containing reactive silyl groups for cosmetic uses)
RN 216777-05-8 HCAPLUS
CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with methyl 2-methyl-2-propenoate, 3-(triethoxysilyl)propyl 2-methyl-2-propenoate and 3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxanyl]propyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
CM 1
CRN 21142-29-0
CMF C13 H26 O5 Si



CM 2

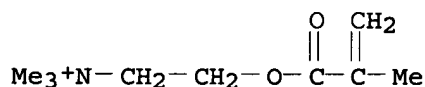
CRN 17096-07-0
CMF C16 H38 O5 Si4



CM 3

CRN 5039-78-1

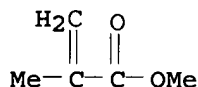
CMF C9 H18 N O2 . Cl

● Cl⁻

CM 4

CRN 80-62-6

CMF C5 H8 O2



RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 23 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:764104 HCAPLUS

DN 130:29046

TI Hair-care preparations containing N-vinylcarboxamide copolymers

IN Miyagawa, Satsuki; Hinata, Takehiko; Yamaguchi, Tetsuhiko

PA Showa Denko Kabushiki Kaisha, Japan; Kose Corporation

SO Eur. Pat. Appl., 20 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 878185	A2	19981118	EP 1998-108719	19980513
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 11029445	A2	19990202	JP 1997-297089	19971029
	CA 2237540	AA	19981116	CA 1998-2237540	19980513
	CN 1199607	A	19981125	CN 1998-108474	19980515
PRAI	JP 1997-127366	A	19970516		

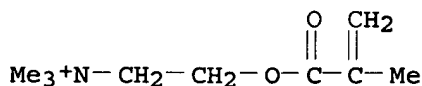
AB Disclosed is a hair-care preparation containing a homopolymer or copolymer comprising a repeating unit which is derived from an N-vinylcarboxamide monomer (I) wherein R1 and R2 independently are a hydrogen atom, a Me group or an Et group, R3 and R4 independently are a hydrogen atom or a Me group, or a copolymer of the repeating unit represented by I and one or more other repeating units. The hair-care preparation has setting retaining power, gives satisfactory hair touch and feeling during and after use, and exhibits good resistance to moisture and good detergency upon shampooing.

N-vinylcarboxamide 12, N-vinylpyrrolidone 38, Et acetate 450, and azobisisobutyronitrile were mixed and refluxed for 3 h under N for polymerization to obtain 42.5 g polymer solid which was filtered, separated, and dried. A styling mousse contained above polymer 3, ethanol 10, propellant 3, perfume and water q.s. 100%.

IC ICM A61K007-06
 CC 62-3 (Essential Oils and Cosmetics)
 Section cross-reference(s): 35, 38
 IT 7748-25-6DP, Potassium chloroacetate, reaction product with amino containing polymer 28408-65-3P, Poly(N-Vinylacetamide) 80512-26-1P 113655-05-3P 114239-36-0P 174023-68-8P 216163-60-9P **216163-61-0P** **216163-62-1DP**, quaternized **216163-62-1P** 216163-63-2P **216163-64-3P** 216163-65-4P 216163-66-5P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
 (hair-care preps. containing vinylcarboxamide copolymers)
 IT **216163-61-0P**
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
 (hair-care preps. containing vinylcarboxamide copolymers)
 RN 216163-61-0 HCAPLUS
 CN Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with N-ethenylacetamide (9CI) (CA INDEX NAME)
 CM 1
 CRN 5202-78-8
 CMF C4 H7 N O

AcNH-CH=CH₂

CM 2
 CRN 5039-78-1
 CMF C9 H18 N O2 . Cl



● Cl⁻

L31 ANSWER 24 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1998:650379 HCAPLUS
 DN 129:320966
 TI Cosmetics
 IN Watanabe, Hiroshi; Kakogi, Hiroyuki; Gomyo, Hideyuki
 PA Shiseido Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 11 pp.
 CODEN: JKXXAF
 DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10265330	A2	19981006	JP 1997-85887	19970319
PRAI	JP 1997-85887		19970319		

AB Cosmetics [lotions, emulsions] showing antimicrobial stability and containing no preservatives comprise: [A] copolymers of amine-containing acrylic monomers, [meth]acryloyl monomers and vinyl monomers [B] 2-phenoxyethanol, and [C] other ingredients. A lotion contained glycerin 2.0, POE nonylphenyl ether 0.5, perfumes 0.03, 2-phenoxyethanol 0.5, the copolymers 0.1, lactic acid 0.1 and ion-exchanged water to 100 weight%.

IC ICM A61K007-00
ICS A61K007-00; A61K007-02

CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 38

IT 160364-67-0P 168695-47-4P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetics)

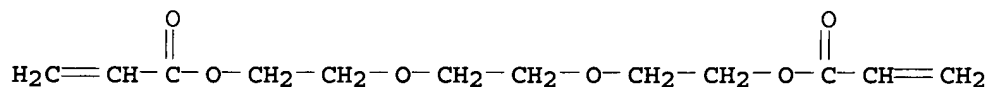
IT 160364-67-0P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetics)

RN 160364-67-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

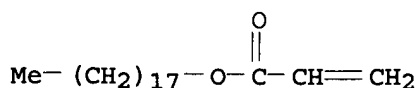
CRN 42978-66-5
CMF C15 H24 O6
CCI IDS



3 (D1-Me)

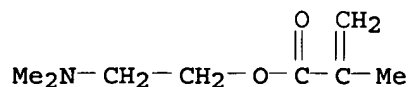
CM 2

CRN 4813-57-4
CMF C21 H40 O2



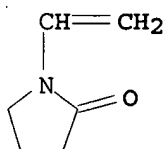
CM 3

CRN 2867-47-2
CMF C8 H15 N O2



CM 4

CRN 88-12-0
CMF C6 H9 N O



L31 ANSWER 25 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:603043 HCAPLUS

DN 129:293670

TI Hair-setting compositions

IN Oomura, Takayuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10245325	A2	19980914	JP 1997-63803	19970303
PRAI	JP 1997-63803		19970303		

AB Hair-setting compns. showing excellent hair-setting effects contain: [A] amphoteric betainized dialkylaminoalkylacrylate copolymer having mol. weight of 50,000-500,000 and [B] specific cationic copolymers such as cationized dimethylaminoethyl (meth)acrylate-lauryl (meth)acrylate-cetyl (meth)acrylate copolymer. Thus, a hair cream contained decamethylcyclohexasiloxane 25.0, dimethylpolysiloxane 6.0, glycerin 3.0, ethylated hardened castor oil 3.0, amphoteric polymers 3.0, cationized resin solution 3.0, ethanol 10.0, polyvinyl alc. 1.0, ion-exchanged water and perfumes to 100 weight%.

IC ICM A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

IT 64-67-5P, Diethyl sulfate 26316-49-4P, Dimethylaminoethyl

methacrylate-stearyl methacrylate copolymer 154150-92-2P

154150-93-3P 166596-97-0P 213689-52-2P

214122-08-4P 214122-11-9P 214122-13-1P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL

(Biological study); PREP (Preparation); USES (Uses)

(cationized; hair-setting compns.)

IT 26316-49-4P, Dimethylaminoethyl methacrylate-stearyl methacrylate

copolymer

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(cationized; hair-setting compns.)

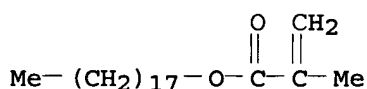
RN 26316-49-4 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with octadecyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 32360-05-7

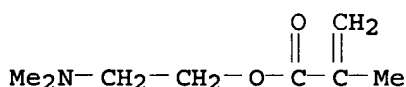
CMF C22 H42 O2



CM 2

CRN 2867-47-2

CMF C8 H15 N O2



L31 ANSWER 26 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:562220 HCAPLUS

DN 127:225104

TI Cool gel cosmetics

IN Hanada, Takuya

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09208452	A2	19970812	JP 1996-332749	19961128
	JP 3469416	B2	20031125		
PRAI	JP 1995-334000	A	19951129		

AB Cool gel cosmetics comprise cationic thickeners, refrigerants, ethanol and optionally powders. A massage cool gel contained glycerin 20.0, ethanol 30.0, N,N-dimethylaminoethyl methacrylate, N-vinyl pyrrolidone-stearyl acrylate-tripropylene glycol diacrylate copolymer as cationic thickener 3.0, lactic acid 1.0, 1-isomenthol 1.0, polyethylene powder 3.0, ethylene-methylsiloxane copolymer 2.0, iso-Pr myristate 2.0, squalane 1.0 **perfumes** and ion-exchanged water to 100 weight%. The prepns. were nonsticky.

IC ICM A61K007-48

ICS A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

IT 64-17-5P, Ethanol, biological studies 76-22-2P, Camphor 89-48-5P,
Menthyl acetate 89-78-1P, Menthol 470-82-6P, 1,8-Cineol 3623-52-7P,
Isomenthol **160364-67-0P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); **PREP (Preparation)**; USES (Uses)
(cool gel cosmetics)

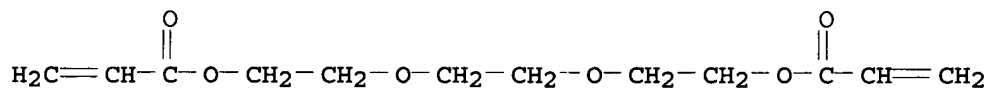
IT **160364-67-0P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); **PREP (Preparation)**; USES (Uses)
(cool gel cosmetics)

RN 160364-67-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-
ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX
NAME)

CM 1

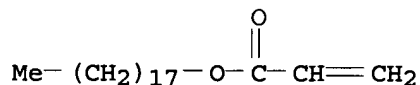
CRN 42978-66-5
CMF C15 H24 O6
CCI IDS



3 (D1-Me)

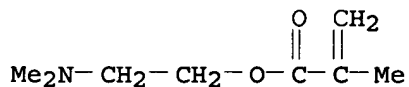
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CRN 4813-57-4
CMF C21 H40 O2



CM 3

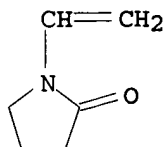
CRN 2867-47-2
CMF C8 H15 N O2



CM 4

CRN 88-12-0

CMF C6 H9 N O



L31 ANSWER 27 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:537399 HCAPLUS

DN 127:140183

TI Hair-setting compositions

IN Omura, Takayuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09151117	A2	19970610	JP 1995-334001	19951129
PRAI	JP 1995-334001		19951129		

AB Hair-setting compns. showing excellent styling activity comprise cationic thickeners and organosilicones having $R_7nSiO(4-n)/2$ units [$R_7 = C_1-6$ hydrocarbons or Ph; $n = 1.0-1.8$] as main ingredients. A hair cream contained decamethylcyclohexasiloxane 25.0, dimethylpolysiloxane ($n = 10,000$) 6.0, organosilicon 5.0, ethoxylated hardened castor oil 2.0, glycerin 3.0, cationic thickeners 1.0, ethanol 10.0, polyvinyl alc. 1.0, maleic acid 0.4, **perfumes** and ion-exchanged water to 100 weight%.

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and **Cosmetics**)

Section cross-reference(s): 38

IT 79-10-7DP, Acrylic acid, copolymers with methacrylic acid esters

79-41-4DP, MethAcrylic acid, esters, copolymers with acrylic acid

160364-67-0P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(hair-setting compns.)

IT **160364-67-0P**

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
(hair-setting compns.)

RN 160364-67-0 HCAPLUS

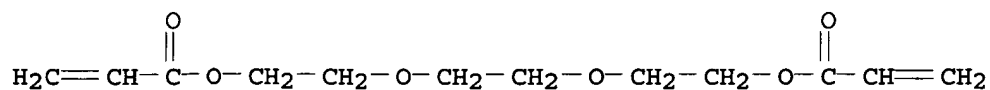
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 42978-66-5

CMF C15 H24 O6

CCI IDS

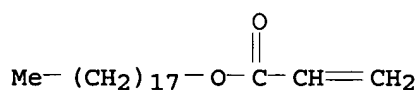


3 (D1- Me)

CM 2

CRN 4813-57-4

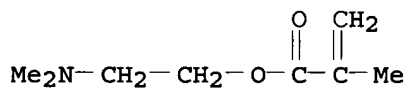
CMF C21 H40 O2



CM 3

CRN 2867-47-2

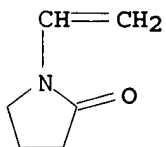
CMF C8 H15 N O2



CM 4

CRN 88-12-0

CMF C6 H9 N O



L31 ANSWER 28 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:537398 HCAPLUS

DN 127:140182

TI Hair preparations

IN Omura, Takayuki; Muraoka, Shiho; Miyahara, Reiichi

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

KATHLEEN FULLER EIC1700 REMSEN 4B28 571/272-2505

PI JP 09151118 A2 19970610 JP 1995-334002 19951129

PRAI JP 1995-334002 19951129

AB Hair preps. comprise: (A) polysiloxane-oxyalkylene copolymers and (B) cationic thickeners (acrylic copolymers). A hair cream contained decamethylsiloxane 25.0, polysiloxane-oxyalkylene copolymer 6.0, glycerin 3.0, ethoxylated hardened castor oil 3.0, cationic thickener such as N,N-Dimethylaminoethyl methacrylate-methacrylamide-stearyl acrylate-tripropylene glycol diacrylate copolymer 3.0, ethanol 10.0, polyvinyl alc. 1.0, maleic acid 0.5, **perfumes** and ion-exchanged water to 100 weight%. Hair appeared shiny and soft after treatment and showed good hair wave-holding activity. The preps. also restored damaged hair.

IC ICM A61K007-06

ICS A61K007-11

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

IT 160364-67-0P 168695-46-3P 168695-47-4P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses) (hair preps.)

IT 160364-67-0P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses) (hair preps.)

RN 160364-67-0 HCAPLUS

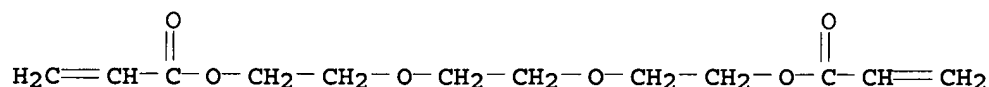
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 42978-66-5

CMF C15 H24 O6

CCI IDS

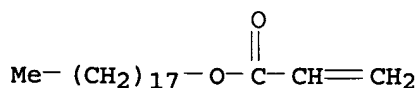


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CM 2

CRN 4813-57-4

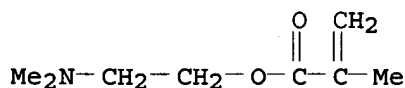
CMF C21 H40 O2



CM 3

CRN 2867-47-2

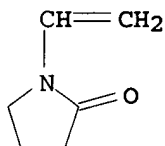
CMF C8 H15 N O2



CM 4

CRN 88-12-0

CMF C6 H9 N O



L31 ANSWER 29 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:506069 HCAPLUS

DN 127:126348

TI Hair compositions containing combination of a polyampholyte polymer and a cationic polymer

IN Cauwet-Martin, Daniele; Lion, Bertrand; Mondet, Jean

PA L'Oreal, Fr.; Cauwet-Martin, Daniele; Lion, Bertrand; Mondet, Jean

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9723193	A1	19970703	WO 1996-FR1831	19961119
	W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	FR 2742657	A1	19970627	FR 1995-15290	19951221
	FR 2742657	B1	19980130		
	AU 9676302	A1	19970717	AU 1996-76302	19961119
	EP 869766	A1	19981014	EP 1996-939151	19961119
	EP 869766	B1	20011121		
	R: DE, ES, FR, GB, IT				
	ES 2168519	T3	20020616	ES 1996-939151	19961119
PRAI	FR 1995-15290	A	19951221		
	WO 1996-FR1831	W	19961119		

AB To a composition for the treatment of keratinic materials, particularly human hair, containing in a cosmetically and/or dermatol. acceptable aqueous medium at least (1) a polyampholyte polymer comprised of at least one ethylenically unsatd. monomer and comprising in the chain or sideways of the chain

equimolar or substantially equimolar quantities of neg. charges and pos. charges; said polymer is water insol. at a concentration higher than or equal to 1% by weight at 20°; (2) a cationic polymer of which the cationic charge d. is lower than or equal to 4 meq/g. They are used as capillary products to be rinsed for hair care, hair washing and or hair combing. They have a good hair dressing effect and good wet hair combing out properties. Sodium styrene sulfonate 49.8, an aqueous solution of 78.9% trimethylammonium Et methacrylate chloride 63.63, water 300, and potassium persulfate 2 g were stirred under N and heated at 72° for 24 h, the polymer thus obtained was then separated, washed and dried. A shampoo had sodium lauryl ether sulfate 24, 32% cocoylbetain solution 8, above polymer 1, NaCl 2, 8% solution of dimethyldiallylammonium chloride-acrylamide copolymer 1, preservatives, perfumes and water q.s. 100 g.

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

Section cross-reference(s): 35, 38

IT 9004-34-6DP, Cellulose, derivs., biological studies 9005-25-8DP, Starch,

derivs., biological studies 31324-84-2P 38812-35-0P

41488-70-4P 65205-78-9P 65205-79-0P 67553-83-7P

89559-71-7P 89559-72-8P 98715-54-9P 117829-14-8P

130764-80-6P 192820-61-4P 192820-63-6P 192820-66-9P

192820-73-8P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair compns. containing combination of polyampholyte polymer and cationic polymer)

IT 41488-70-4P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(hair compns. containing combination of polyampholyte polymer and cationic polymer)

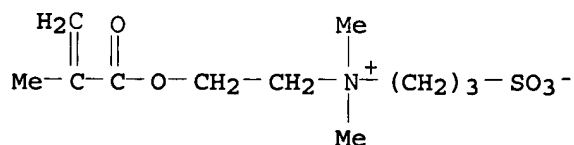
RN 41488-70-4 HCAPLUS

CN 1-Propanaminium, N,N-dimethyl-N-[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl]-3-sulfo-, inner salt, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 3637-26-1

CMF C11 H21 N O5 S



L31 ANSWER 30 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1997:314925 HCAPLUS

DN 126:297486

TI Fragrant solutions and gels

IN Uchama, Jujiro; Asagoe, Tooru

PA Osaka Juki Kagaku Kogyo Kk, Japan; Hasegawa T Co Ltd

SO Jpn. Kokai Tokkyo Koho, 8 pp.

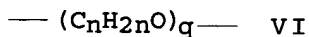
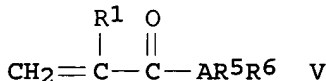
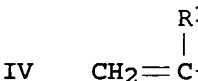
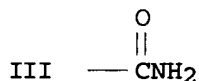
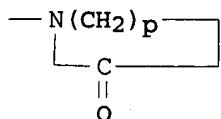
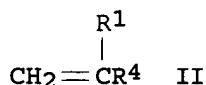
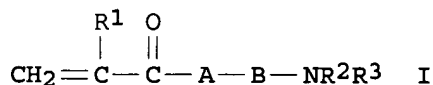
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09066095	A2	19970311	JP 1995-224885	19950901
PRAI	JP 1995-224885		19950901		
GI					



AB The solns. and gels contain fragrant 0.5-30.0, surfactants 0.5-50.0, water 20.0-99.0, EtOH 0-30.0, and a cationic tackifier 0.05-10.0%; where the tackifier is a copolymer of monomers including an amino group containing (meth)acrylic monomer I (R1 = H or Me, R2 and R3 = H, Me, Et, or tert-Bu, A = O or NH, B = linear or branched C1-4 alkenyl group) 15.0-85.0, a vinyl monomer II (R4 = III with p = 3 or 4 or IV) 0-80.0, an acryloyl group containing monomer V (R5 = linear or branched C1-17 alkenyl group or VI with n = 1-4 integer and q = 1-25 integer and R6 = H or Me) 1.0-60.0, and a crosslinking vinyl monomer.

IC ICM A61L009-01

ICS A61K007-46; A61L009-04; C09K003-00

CC 62-5 (Essential Oils and Cosmetics)

Section cross-reference(s): 37, 59

IT Odor and Odorous substances

Perfumes

(cationic tackifiers for fragrant solns. and gels)

IT 160364-67-0P

RL: IMF (Industrial manufacture); NUU (Other use, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(crosslinked; cationic tackifiers for fragrant solns. and gels)

IT 160364-67-0P

RL: IMF (Industrial manufacture); NUU (Other use, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(crosslinked; cationic tackifiers for fragrant solns. and gels)

RN 160364-67-0 HCAPLUS

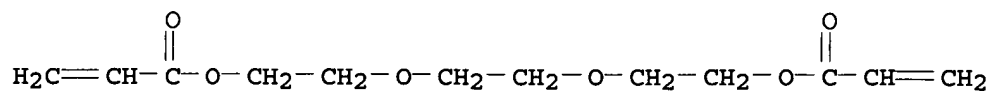
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 42978-66-5

CMF C15 H24 O6

CCI IDS

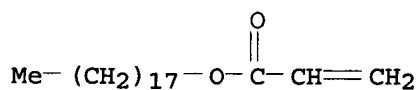


3 (D1-Me)

CM 2

CRN 4813-57-4

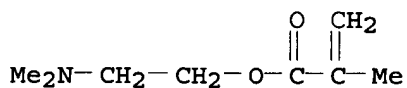
CMF C21 H40 O2



CM 3

CRN 2867-47-2

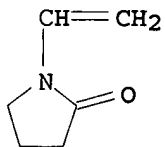
CMF C8 H15 N O2



CM 4

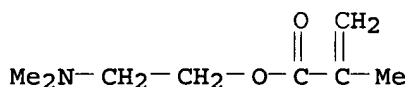
CRN 88-12-0

CMF C6 H9 N O



L31 ANSWER 31 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1997:204055 HCAPLUS
 DN 126:190726
 TI Preparation of amine-oxide-containing vinyl polymers for hair compositions
 IN Hayama, Kazuhide; Kitani, Yasuo; Hiwatashi, Tomoaki
 PA Mitsubishi Chemical Corporation, Japan
 SO Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 754444	A2	19970122	EP 1996-250161	19960718
	EP 754444	A3	19970319		
	EP 754444	B1	19980527		
	R: DE, FR, GB, IT				
	US 6123933	A	20000926	US 1996-682239	19960717
	CN 1142935	A	19970219	CN 1996-106189	19960719
	JP 10072323	A2	19980317	JP 1996-190623	19960719
	JP 3520674	B2	20040419		
PRAI	JP 1995-204027	A	19950719		
	JP 1996-163131	A	19960624		
AB	A hair cosmetic composition comprises an amine-oxide-containing water-soluble polymethacrylate having an average mol. weight of 5000-1,000,000. The composition has excellent setting force, conditioning effects and hair-washing property and is free from stickiness. Thus, 30 parts N,N-dimethylaminoethyl methacrylate and 70 parts stearyl methacrylate were copolymd. in 150 parts EtOH in the presence of 0.6 part 2,2'-azobisisobutyronitrile. A 31% aqueous solution of H2O2 was added to the above polymer to convert it to an amine oxide-containing polymer (I) with an average mol. weight of 100,000. A hair rinse contained stearyltrimethylammonium chloride 1.5, cetanol 2, I 1.5, perfume 0.2 and water to 100%.				
IC	ICM A61K007-06				
CC	62-3 (Essential Oils and Cosmetics)				
	Section cross-reference(s): 37				
IT	25154-86-3DP, Poly(N,N-Dimethylaminoethyl methacrylate), oxidized				
	26316-49-4DP, oxidized 26658-83-3DP, oxidized				
	110563-56-9DP, oxidized 113190-44-6DP, oxidized				
	187538-64-3DP, oxidized 187538-65-4DP, oxidized				
	187538-66-5DP, oxidized 187538-67-6DP, oxidized				
	RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of amine-oxide-containing vinyl polymers for hair compns.)				
IT	25154-86-3P, Poly(N,N-Dimethylaminoethyl methacrylate)				
	26316-49-4P, N,N-Dimethylaminoethyl methacrylate-stearyl methacrylate copolymer 26658-83-3P, Butyl methacrylate-N,N-dimethylaminoethyl methacrylate copolymer 110563-56-9P, tert-Butyl methacrylate-N,N-dimethylaminoethyl methacrylate copolymer 113190-44-6P, 2-(Dimethylamino)ethyl methacrylate-Light Ester FM 108 copolymer 187538-64-3P, tert-Butyl methacrylate-N,N-dimethylaminoethyl methacrylate-N-Vinyl-2-pyrrolidinone copolymer 187538-65-4P 187538-66-5P, Butyl acrylate-N,N-dimethylaminoethyl methacrylate-octyl methacrylate copolymer 187538-67-6P, N,N-Dimethylaminoethyl methacrylate-ethyl methacrylate-stearyl methacrylate copolymer				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(preparation of amine-oxide-containing vinyl polymers for hair compns.)				
IT	25154-86-3DP, Poly(N,N-Dimethylaminoethyl methacrylate), oxidized				
	RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); PREP (Preparation); PREP (Preparation); USES (Uses)				
	(preparation of amine-oxide-containing vinyl polymers for hair compns.)				
RN	25154-86-3 HCAPLUS				
CN	2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, homopolymer (9CI) (CA INDEX NAME)				
CM	1				
CRN	2867-47-2				
CMF	C8 H15 N O2				



L31 ANSWER 32 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1996:248178 HCAPLUS

DN 124:298411

TI Hair-setting preparations containing siloxanes and cationic polymers

IN Oomura, Takayuki

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08026938	A2	19960130	JP 1994-182893	19940712
PRAI	JP 1994-182893		19940712		

AB Hair-setting preps., which give gloss and cause smooth hair-combing and show good conditioning (softening) effect, contain
 $\text{R12R2SiO}[\text{SiR12O}]_m[\text{SiR1R3O}]_n\text{SiR12R2}$ [I: R1 = Me (partially Ph); R2 = R3, Me, OH; R3 = R4Z; R4 = C3-6 bivalent alkylene; Z = NR52, N+R53A-, NR5(CH2)aNR52, NR5(CH2)aN+R53A-, NR5(CH2)aNR5COR6; R5 = H, C1-4 alkyl; R6 = C1-4 alkyl; A = Cl, Br, iodine; a = 2-6; m ≥ 1; n ≥ 0; m + n = 3000-20,000; n/m = ≤ 1/500] and cationic polymers prepared by cationization with YE (Y = Br, Cl, iodine, C1-4 alkyl sulfate; E = C1-12 alkyl, PhCH2, residue of C1-3 fatty acid C1-4 alkyl esters) of copolymers of CH2:CR7COXR8NR9R10 (R7 = H, Me; R8 = C1-4 alkylene; R9, R10 = C1-4 alkylene; X = O, NH) 50-90, CH2:CR11CO2R12 (R11 = H, Me; R12 = C12-24 alkyl) 10-50, and other copolymerizable monomers 0-25%. A hair preparation was formulated containing decamethylcyclopentasiloxane 15.0, di-Me siloxane 3.0, I [R1 = R2 = Me, R3 = (CH2)3NMe2, m = 5000, n = 5] 5.0, polyoxyethylene hydrogenated castor oil 2.0, 1,3-butylene glycol 2.0, behenyl methacrylate-cetyl methacrylate-dimethylaminoethyl methacrylate-lauryl acrylate copolymer di-Et sulfate salt 5.0, EtOH 15.0, H2O to 100%, and perfume.

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

IT 175842-24-7P 175842-25-8P 175842-26-9P
175842-28-1P

RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hair-setting preps. containing (amino- or ammonium-modified) siloxanes and cationic polymers)

IT 175842-24-7P

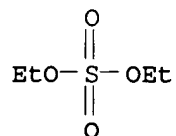
RL: BUU (Biological use, unclassified); PNU (Preparation, unclassified);
 BIOL (Biological study); PREP (Preparation); USES (Uses)
 (hair-setting preps. containing (amino- or ammonium-modified) siloxanes and cationic polymers)

RN 175842-24-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with docosyl 2-methyl-2-propenoate, dodecyl 2-propenoate and hexadecyl 2-methyl-2-propenoate, compd. with diethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 64-67-5
CMF C4 H10 O4 S

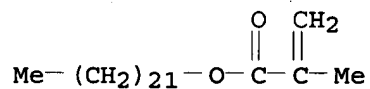


CM 2

CRN 154150-92-2
CMF (C26 H50 O2 . C20 H38 O2 . C15 H28 O2 . C8 H15 N O2)x
CCI PMS

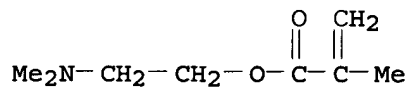
CM 3

CRN 16669-27-5
CMF C26 H50 O2



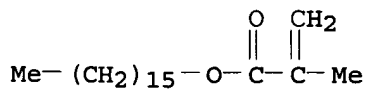
CM 4

CRN 2867-47-2
CMF C8 H15 N O2



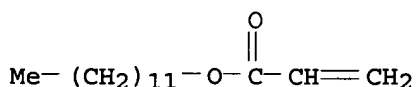
CM 5

CRN 2495-27-4
CMF C20 H38 O2



CM 6

CRN 2156-97-0
CMF C15 H28 O2



L31 ANSWER 33 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:746170 HCAPLUS

DN 123:122718

TI Novel emulsifiers containing a compound prepared from amphoteric polymers and higher fatty acids

IN Shiojima, Yoshihiro; Nakama, Yasunari; Kanbe, Tetsuya; Yamaguchi, Michihiro

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07100357	A2	19950418	JP 1993-245806	19930930
	JP 3444366	B2	20030908		
PRAI	JP 1993-245806		19930930		

AB Emulsifiers contain a novel compound (markush given) prepared from amphoteric polymers and higher fatty acids. An oil-water-type hair rinse contained N-methacryloylethyl-N,N-dimethylammonium.α-N-dimethylcarboxybetaine-stearyl metharylate copolymer isostearic acid complex 4, oleic acid 2, liquid paraffin 10, cetyl-2-ethylhexanoate 2, glycerol 5, **perfumes** 0.2, methylparaben 0.1, and purified water to 100 weight%. The preparation was stable and showed low irritability.

IC ICM B01F017-52

ICS A61K007-00; A61K007-06; C08L033-00

CC 62-3 (Essential Oils and **Cosmetics**)

Section cross-reference(s): 38

IT 97-88-1DP, Butyl methacrylate, copolymer with N-methacryloylethyl-N,N-dimethylammonium.α-N-dimethylcarboxybetaine and stearyl compound, isostearic acid salt **138204-19-0DP**, isostearic acid complexes **166596-97-0P**

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(emulsifiers containing compound prepared from amphoteric polymers and higher fatty acids)

IT **138204-19-0DP**, isostearic acid complexes

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(emulsifiers containing compound prepared from amphoteric polymers and higher fatty acids)

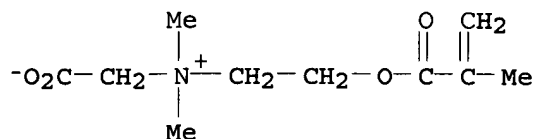
RN 138204-19-0 HCAPLUS

CN Ethanaminium, N-(carboxymethyl)-N,N-dimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, inner salt, polymer with octadecyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 62723-61-9

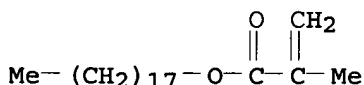
CMF C10 H17 N O4



CM 2

CRN 32360-05-7

CMF C22 H42 O2



L31 ANSWER 34 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:746169 HCAPLUS

DN 123:122742

TI a compound prepared from amphoteric polymers and higher fatty acids as emulsifier

IN Shiojima, Yoshihiro; Nakama, Yasunari; Yamaguchi, Michihiro

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07100356	A2	19950418	JP 1993-245805	19930930
PRAI	JP 1993-245805		19930930		

AB Emulsion compns. contain a novel compound (markush given) prepared from amphoteric polymers and higher fatty acids as emulsifier. An oil-in-water-type cream contained N-methacryloylethyl-N,N-dimethylammonium- α -N-dimethylcarboxybetaine-stearyl methacrylate copolymer isostearic acid complex 4, oleic acid 2, liquid paraffin 10, cetyl-2-ethylhexanoate 2, glycerol 5, **perfumes** 0.2, methylparaben 0.1, and purified water to 100 weight%. The prepns. were stable and nonirritating.

IC ICM B01F017-52

ICS C08F016-36; C08F020-18; C08F020-36; C08F020-60; C08K005-09

CC 62-4 (Essential Oils and Cosmetics)

IT 138204-19-0DP, isostearic acid complexes

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(emulsion compns. containing a compound prepared from amphoteric polymers and higher fatty acids)

IT 138204-19-0DP, isostearic acid complexes

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)

(emulsion compns. containing a compound prepared from amphoteric polymers and higher fatty acids)

RN 138204-19-0 HCAPLUS

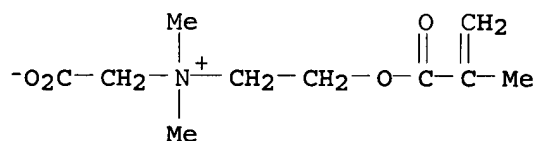
CN Ethanaminium, N-(carboxymethyl)-N,N-dimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, inner salt, polymer with octadecyl 2-methyl-2-propenoate

(9CI) (CA INDEX NAME)

CM 1

CRN 62723-61-9

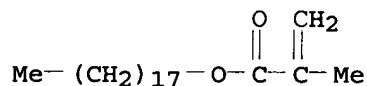
CMF C10 H17 N O4



CM 2

CRN 32360-05-7

CMF C22 H42 O2



L31 ANSWER 35 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:584288 HCAPLUS

DN 122:322217

TI Water-based nail cosmetics containing polymer emulsions

IN Sugawara, Susumu; Hosokawa, Hitoshi; Nakamura, Koichi; Sawada, Michitaka; Tsutsumi, Takehiro

PA Kao Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07069833	A2	19950314	JP 1993-218274	19930902
	JP 2534194	B2	19960911		
PRAI	JP 1993-218274		19930902		

AB The nail cosmetics contain aqueous emulsions of polymers with average mol. weight (Mw) $\leq 40,000$ and polymers with average mol. weight $\geq 50,000$ at sum of both polymers 5-60 weight% as a solid. The nail cosmetics show high gloss, adhesion, water proofness, and film strength and are free from inflammability and solvent odor. Emulsion A containing Me methacrylate-Bu acrylate-N,N-dimethylaminoethyl methacrylate copolymer (preparation given; Mw 30,000) 80, emulsion B containing the same polymer (preparation given; Mw 200,000) as in A 20, red pigment R-221 3, H₂O 10, hydroxyethyl cellulose 0.5, perfume 0.1, antiseptic 0.1, and silicone antifoaming agent were mixed to give a nail enamel.

IC ICM A61K007-043

ICS A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

IT 25153-46-2P, 2-Ethylhexyl acrylate-styrene copolymer 35166-02-0P

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL

(Biological study); **PREP (Preparation)**; USES (Uses)
(water-based nail cosmetics containing polymer emulsions)

IT 35166-02-0P

RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL
(Biological study); **PREP (Preparation)**; USES (Uses)
(water-based nail cosmetics containing polymer emulsions)

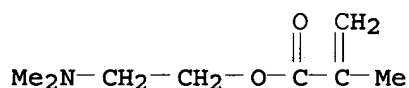
RN 35166-02-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
butyl 2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2

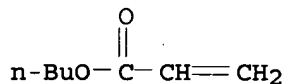
CMF C8 H15 N O2



CM 2

CRN 141-32-2

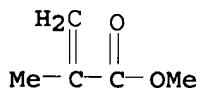
CMF C7 H12 O2



CM 3

CRN 80-62-6

CMF C5 H8 O2



L31 ANSWER 36 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:435901 HCAPLUS

DN 122:222450

TI Preparation of cationic thickeners for cosmetics

IN Uchama, Jujiro; Matsumoto, Junichi

PA Osaka Juki Kagaku Kogyo Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

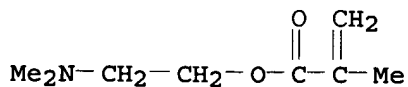
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06316510	A2	19941115	JP 1994-75138	19940413

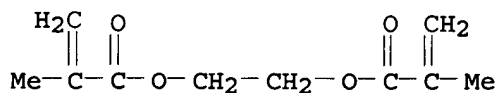
JP 3032113 B2 20000410
 PRAI JP 1994-75138 19940413
 GI For diagram(s), see printed CA Issue.
 AB Cationic thickeners, useful for cosmetics and fragrant compns., are prepared by polymerization of CH₂:CR₁COABNR₂R₃ (R₁ = H, Me; R₂, R₃ = H, Me, Et, CMe₃; A = O, NH; B = linear or branched C₁-4 alkylene) 15-85, CH₂:CR₁R₄ (R₁ = same as above; R₄ = Q, CONH₂; p = 3, 4) 0-80, CH₂:CR₁COAR₅R₆ [R₁, A = same as above; R₅ = C₁-17 linear or branched alkylene, (C₂H₄O)_q, (C₃H₆O)_r; q, r = 1-25; R₆ = H, Me] 1-60, and crosslinkable vinyl monomers 0.1-20% in nonaq. solvents by heating under inert gas, followed by powdering the reaction solns. N,N-dimethylaminoethyl methacrylate 39, N-vinylpyrrolidone 58.5, methoxypolyethylene glycol methacrylate 2.5, ethylene glycol dimethacrylate 2, and AIBN 0.3 g were refluxed in EtOH-cyclohexane mixture at 80° under N for .apprx.10 h, condensed, dried, and pulverized to give cationic thickener (41,000 cP, in 2% aqueous solution), which was mixed with hair-setting polymers to form a hair preparation gel.
 IC ICM A61K007-06
 ICS A61K007-11; A61K007-46; A61L009-01; C09K003-00
 CC 62-1 (Essential Oils and Cosmetics)
 Section cross-reference(s): 35
 IT Cosmetics
 Hair preparations
 Perfumes
 Thickening agents
 (preparation of poly(meth)acrylates as thickeners for cosmetic and fragrance compns.)
 IT 89054-55-7P 150265-73-9P 150265-74-0P
 150265-75-1P 150265-76-2P 150265-77-3P
 150265-79-5P 150267-44-0P 150291-89-7P
 150291-90-0P 161834-30-6P 161834-31-7P
 161834-32-8P 161834-33-9P 161834-34-0P
 161834-35-1P 161834-36-2P 161834-37-3P 161834-38-4P
 161834-39-5P
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of poly(meth)acrylates as thickeners for cosmetic and fragrance compns.)
 IT 89054-55-7P
 RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); PRP (Properties); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of poly(meth)acrylates as thickeners for cosmetic and fragrance compns.)
 RN 89054-55-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 1,2-ethanediyl ester, polymer with 2-(dimethylamino)ethyl 2-methyl-2-propenoate, 1-ethenyl-2-pyrrolidinone and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 2867-47-2
 CMF C8 H15 N O2



CM 2

CRN 97-90-5

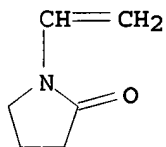
CMF C10 H14 O4



CM 3

CRN 88-12-0

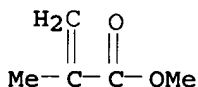
CMF C6 H9 N O



CM 4

CRN 80-62-6

CMF C5 H8 O2



L31 ANSWER 37 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:341001 HCAPLUS

DN 122:142039

TI Cosmetic composition containing a pseudo-latex film-forming polymer

IN Mougine, Nathalie; Mondet, Jean; Guelton, Monique; Piot, Bertrand; Dupuis, Christine; Cauwet, Danielle

PA Oreal S. A., Fr.

SO Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 628304	A1	19941214	EP 1994-401255	19940607
	EP 628304	B1	19981111		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
	FR 2706126	A1	19941216	FR 1993-6827	19930608
	FR 2706126	B1	19950721		
	CA 2125361	AA	19941209	CA 1994-2125361	19940607
	AT 173156	E	19981115	AT 1994-401255	19940607

ES 2126078	T3	19990316	ES 1994-401255	19940607
JP 07048231	A2	19950221	JP 1994-126403	19940608
US 5753215	A	19980519	US 1996-613604	19960311

PRAI FR 1993-6827 A 19930608
 US 1994-257624 B1 19940608

AB Cosmetic compns. containing a pseudo-latex film-forming polymer that is not easily washed out with water or shampoo is claimed. A hair lotion contained crotonic acid-vinyl acetate-vinyl tert-butyl-4-benzoate which was neutralized with L-lysine (preparation given) 20, perfumes, colors, preservatives q.s. and water q.s. 100g.

IC ICM A61K007-48
 ICS A61K007-06

CC 62-4 (Essential Oils and **Cosmetics**)
 Section cross-reference(s): 35

IT 25609-89-6P, Crotonic acid-vinyl acetate copolymer 26062-56-6P
 58748-38-2P, Crotonic acid-vinyl acetate-vinyl neodecanoate copolymer
67016-70-0P, Amphomer lv71 68134-63-4P **149698-09-9P**
 160928-66-5P 160928-67-6P 160929-52-2P 160929-53-3P 161026-55-7P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
 (cosmetic composition containing a pseudo-latex film-forming polymer)

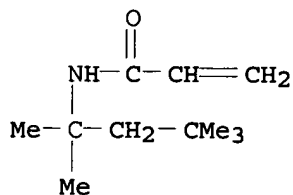
IT **67016-70-0P**, Amphomer lv71
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); **PREP (Preparation)**; USES (Uses)
 (cosmetic composition containing a pseudo-latex film-forming polymer)

RN 67016-70-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[(1,1-dimethylethyl)amino]ethyl ester, polymer with 2-hydroxypropyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 2-propenoic acid and N-(1,1,3,3-tetramethylbutyl)-2-propenamide (9CI) (CA INDEX NAME)

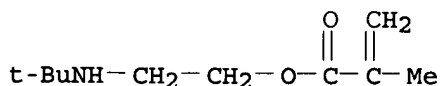
CM 1

CRN 4223-03-4
 CMF C11 H21 N O



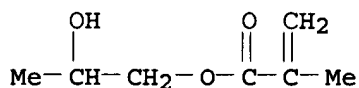
CM 2

CRN 3775-90-4
 CMF C10 H19 N O2



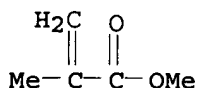
CM 3

CRN 923-26-2
CMF C7 H12 O3



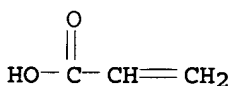
CM 4

CRN 80-62-6
CMF C5 H8 O2



CM 5

CRN 79-10-7
CMF C3 H4 O2



L31 ANSWER 38 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:297666 HCAPLUS

DN 122:63981

TI hair preparations containing cationic thickeners

IN Matsumoto, Junichi; Uchama, Jujiro; Kanbe, Tetsuya; Nanba, Tomyuki

PA Osaka Juki Kogaku Kogyo K. K., Japan; Shiseido Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 32 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

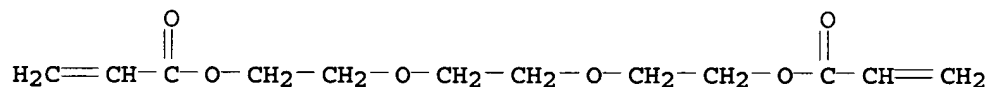
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06219921	A2	19940809	JP 1993-298659	19931129
	JP 3488494	B2	20040119		
PRAI	JP 1993-298659	A	19931129		
	JP 1992-321872		19921201		

AB Hair preps. (hair creams or lotions) comprising acrylic copolymers prepared from a mixture containing amine-containing (meth)acrylic acid monomers 15-90, vinyl monomers 0-80, (meth)acryloyl monomers 1-60wt.% as cationic thickeners show low skin irritancy and give good feels. Thus, a hair lotion contained a cationic thickener 0.3, propylene glycol 4.0, PEG 1500 2.0, polyoxtethylenre oleyl ether 2.5, ethanol 15.0, purified water 76.7 g, and perfumes (final pH = 5.5).

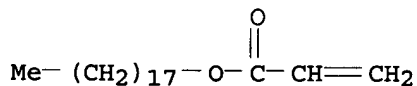
IC ICM A61K007-00

ICS A61K007-06; A61K007-11; A61K007-48
 CC 62-3 (Essential Oils and Cosmetics)
 Section cross-reference(s): 38
 IT 79-10-7DP, 2-Propenoic acid, copolymers 79-41-4DP, copolymers
 160364-67-0P 160364-68-1P 160364-69-2P
 160364-70-5P 160364-71-6P 160364-72-7P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
 (Biological study); **PREP (Preparation)**; USES (Uses)
 (hair preps. containing acrylic copolymers as cationic thickeners)
 IT 160364-67-0P
 RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
 (Biological study); **PREP (Preparation)**; USES (Uses)
 (hair preps. containing acrylic copolymers as cationic thickeners)
 RN 160364-67-0 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
 1-ethenyl-2-pyrrolidinone, (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-
 ethanediyl)] di-2-propenoate and octadecyl 2-propenoate (9CI) (CA INDEX
 NAME)
 CM 1
 CRN 42978-66-5
 CMF C15 H24 O6
 CCI IDS

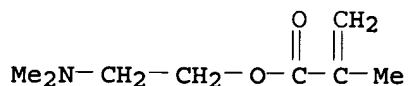


3 (D1-Me)

CM 2
 CRN 4813-57-4
 CMF C21 H40 O2



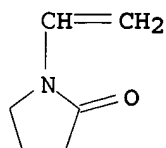
CM 3
 CRN 2867-47-2
 CMF C8 H15 N O2



CM 4

CRN 88-12-0

CMF C6 H9 N O



L31 ANSWER 39 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:417745 HCAPLUS

DN 121:17745

TI Cosmetics containing polymer emulsions and (oligo)alkylene glycol derivatives

IN Sugawara, Susumu; Hosokawa, Hitoshi; Nakamura, Koichi

PA Kao Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06056624	A2	19940301	JP 1992-211701	19920807
PRAI	JP 1992-211701		19920807		

OS MARPAT 121:17745

AB Cosmetics containing polymer emulsions and the oxyalkylene glycols R2O(R1O)nR3 (I; R1 = C2-4 alkylene; R2-3 = C1-8 hydrocarbyl, C1-4 acyl; n = 1-3) 1-60 weight% (based on as solid wts.) are film-forming, long-lasting, and fat- and water-resistant. I lowers the min. film-forming temperature of the polymer emulsions. An emulsion (100 parts) containing 30 weight% Me methacrylate-Bu acrylate-acrylic acid copolymer (preparation given) was mixed with 20 parts EtOCH2CH2OEt, and the emulsion 45.0, black Fe oxide 13.0, talc 10.0, Me hydroxypropyl cellulose 2.0, polyoxyethylene sorbitan monooleate 1.5, glycerin 7.0 weight%, **perfume**, antiseptic, and balance H2O were mixed to give a mascara.

IC ICM A61K007-00

ICS A61K007-032; A61K007-043

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 37

IT 25153-46-2P 26300-51-6P 26316-50-7P 155828-60-7P

RL: PREP (Preparation)

(preparation of, for film-forming cosmetics)

IT 26316-50-7P

RL: PREP (Preparation)

(preparation of, for film-forming cosmetics)

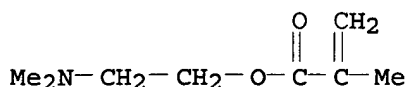
RN 26316-50-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2

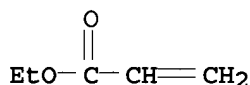
CMF C8 H15 N O2



CM 2

CRN 140-88-5

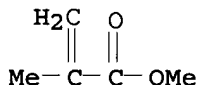
CMF C5 H8 O2



CM 3

CRN 80-62-6

CMF C5 H8 O2



L31 ANSWER 40 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:226514 HCAPLUS

DN 120:226514

TI Hair cosmetics containing cationic polymers

IN Narasaki, Kanji; Hayama, Kazuhide; Kawaguchi, Shigeoki

PA Mitsubishi Petrochemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05310538	A2	19931122	JP 1992-141035	19920507
	JP 3143720	B2	20010307		
PRAI	JP 1992-141035		19920507		

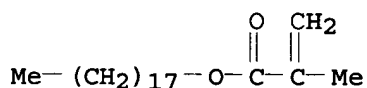
OS MARPAT 120:226514

AB Hair cosmetics contain copolymers of CH₂:CR₁COAR₂NR₃R₄ (R₁ = H, Me; R₂ = C₁-4 alkylene; R₃, R₄ = C₁-4 alkyl; A = O, NH) 50-90, CH₂:CR₅CO₂R₆ (R₅ = H, Me; R₆ = C₁₂-24 alkyl) 10-50, and polymerizing monomers can polymerize with the the polymerizing unsatd. monomers above 0-25 weight%, modified with cationization agents XB (X = Br, Cl, I, C₁-4 alkyl sulfate residue; B = C₁-12 alkyl, benzyl, C₁-3 fatty acid C₁-4 alkyl ester residue). The cosmetics show good hair-setting and -conditioning properties. Dimethylaminoethyl methacrylate-lauryl acrylate-cetyl methacrylate-behenyl methacrylate copolymer cationized with di-Et sulfate (preparation given) 5.0, SH 3771 (di-Me polysiloxane-polyoxyalkylene copolymer) 0.1, perfume, EtOH, and LPG 25.0, to 100 weight% were formulated into a hair spray.

IC ICM A61K007-06
ICS A61K007-11
CC 62-3 (Essential Oils and **Cosmetics**)
IT 64-67-5DP, Diethyl sulfate, reaction products with amine-containing vinyl copolymers 105-39-5DP, Ethyl monochloroacetate, reaction products with amine-containing vinyl copolymers 109-69-3DP, Butyl chloride, reaction products with amine-containing vinyl copolymers **26316-49-4DP**, Dimethylaminoethyl methacrylate-stearyl methacrylate copolymer, reaction product with Et monochloroacetate **154150-92-2DP**, reaction product with di-Et sulfate **154150-93-3DP**, reaction product with Bu chloride **154150-94-4DP**, reaction products with di-Et sulfate
RL: **PREP (Preparation)**
(preparation of, hair cosmetics containing)
IT **26316-49-4DP**, Dimethylaminoethyl methacrylate-stearyl methacrylate copolymer, reaction product with Et monochloroacetate
RL: **PREP (Preparation)**
(preparation of, hair cosmetics containing)
RN 26316-49-4 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with octadecyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

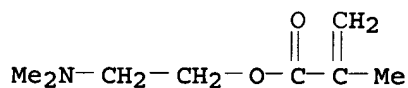
CM 1

CRN 32360-05-7
CMF C22 H42 O2



CM 2

CRN 2867-47-2
CMF C8 H15 N O2



L31 ANSWER 41 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1993:582030 HCAPLUS
DN 119:182030
TI Polymers of ethylenically unsaturated nitrogen-containing monomers, their preparation in the presence of saccharides, and their use
IN Meyer, Harald; Denzinger, Walter; Sanner, Axel; Reinhardt, Rolf Dieter; Frosch, Franz; Raubenheimer, Hans Juergen
PA BASF A.-G., Germany
SO Ger. Offen., 19 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI DE 4125752 A1 19930204 DE 1991-4125752 19910803
 EP 526800 A1 19930210 EP 1992-112512 19920722
 EP 526800 B1 19970108
 R: BE, CH, DE, ES, FR, GB, IT, LI, NL
 ES 2095988 T3 19970301 ES 1992-112512 19920722
 CA 2074747 AA 19930204 CA 1992-2074747 19920728
 JP 05194673 A2 19930803 JP 1992-206487 19920803
 PRAI DE 1991-4125752 A 19910803

AB The title monomers are chosen from the group of N-vinylimidazoles, acrylic aminoesters, acrylic amides, N-vinyl lactams, and diallylalkylamines and their salts, optionally with (as comonomers) unsatd. carboxylic acids and their salts, unsatd. carboxylic esters, and small amts. of nonconjugated dienes. The monomer-saccharide ratio is (20-95):(5-80) and the products may be applied to cosmetic and perfume technol. Thus, a copolymer was prepared from 180g Me2SO4-quaternized N-vinylimidazole and 80 g N-vinylpyrrolidinone in the presence of a radical initiator and 80 g sucrose. The copolymer could be used in hair prepns. The use of the saccharides improved the color, odor, hygroscopicity, and anionic surfactant compatibility.

IC ICM C08F251-00
 ICS C07H003-06; A61K007-46

ICA A61K007-09; A61K007-13; A61K007-135

ICI C08F251-00, C08F226-04, C08F226-06, C08F220-60, C08F220-34, C08F220-04, C08F220-10, C08F236-20

CC 37-3 (Plastics Manufacture and Processing)
 Section cross-reference(s): 38, 62

IT 25154-86-3P, Poly(dimethylaminoethyl methacrylate) 25232-42-2P, Poly(N-vinylimidazole) 26062-79-3P, Poly(diallyldimethylammonium chloride) 30581-59-0P, Dimethylaminoethyl methacrylate-N-vinylpyrrolidinone copolymer 64080-86-0P 95144-24-4P 132230-28-5P 150599-70-5P 150599-71-6P 150599-74-9P 150599-75-0P
 RL: PREP (Preparation)
 (preparation of, in presence of saccharides)

IT 25154-86-3P, Poly(dimethylaminoethyl methacrylate)
 RL: PREP (Preparation)
 (preparation of, in presence of saccharides)

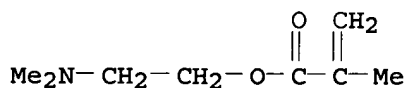
RN 25154-86-3 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2

CMF C8 H15 N O2



L31 ANSWER 42 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:434081 HCAPLUS

DN 119:34081

TI Cosmetics containing cationic polymers and metal oxide hydrates

IN Fukuda, Keiichi; Hosokawa, Hitoshi; Sugawara, Tooru

PA Kao Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF

DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05025018	A2	19930202	JP 1991-181223	19910722
PRAI	JP 1991-181223		19910722		

AB Cosmetics contain 5-60 weight% (as solid) cationic polymer emulsions and 0.01-20 weight% multivalent metal oxide hydrates. The oxide hydrates stabilize pigments in the polymer emulsions, and the cosmetics show good stability and water-resistance. Beeswax 2.5, stearic acid 2.5, liquid paraffin 10.0, lanolin 1.0, sorbitan monostearate 1.5, boehmite 2.0, HCl 0.1, glycerin 4.0, triethanolamine 1.5, H₂O 48.0, methylhydroxy propyl cellulose 0.5, di-Bu phthalate 2.0, Bu acrylate-N,N-dimethylaminoethyl methacrylate-Me methacrylate copolymer lactate (preparation given) 12.0, pearl pigment 10.0, ultramarine 2.0, **perfume**, and antiseptic agent were mixed to give cream-type eyeshadow.

IC ICM A61K007-00
 ICS A61K007-02; A61K007-025; A61K007-031; A61K007-032; A61K007-42

CC 62-1 (Essential Oils and Cosmetics)

IT 75374-45-7P 143556-69-8P
 RL: **PREP (Preparation)**
 (preparation of, cosmetic emulsions containing metal oxide hydrates and)

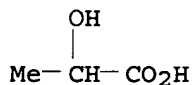
IT 75374-45-7P
 RL: **PREP (Preparation)**
 (preparation of, cosmetic emulsions containing metal oxide hydrates and)

RN 75374-45-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate and methyl 2-methyl-2-propenoate, 2-hydroxypropanoate (9CI) (CA INDEX NAME)

CM 1

CRN 50-21-5
 CMF C3 H6 O3

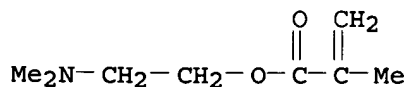


CM 2

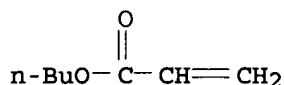
CRN 35166-02-0
 CMF (C8 H15 N O2 . C7 H12 O2 . C5 H8 O2)x
 CCI PMS

CM 3

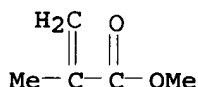
CRN 2867-47-2
 CMF C8 H15 N O2



CM 4

CRN 141-32-2
CMF C7 H12 O2

CM 5

CRN 80-62-6
CMF C5 H8 O2

L31 ANSWER 43 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:175521 HCAPLUS

DN 118:175521

TI Aqueous nail lacquers containing composite polymer emulsions

IN Igarashi, Tadashi; Sugawara, Susumu; Yoshimatsu, Akira

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04297409	A2	19921021	JP 1991-62913	19910327
PRAI	JP 1991-62913		19910327		

AB Vinyl polymers and $\text{CH}_2:\text{C}(\text{R}_1)\text{CO}_2\text{R}_2$ or $\text{CH}_2:\text{C}(\text{R}_1)\text{CONHR}_2$ ($\text{R}_1 = \text{H}, \text{Me}$; $\text{R}_2 =$ crosslinked cyclic hydrocarbyl) are polymerized to give an aqueous complex polymer emulsion for manufacturing a nail lacquer. A nail lacquer contained aqueous composite polymer emulsion (solid content 35%) [containing Me methacrylate-Bu acrylate-acrylic acid copolymer Et₃N salt and poly(isobornyl methacrylate)] (preparation given) 100, Red pigment R-226 3, H₂O 10, carbitol 0-10, di-Et phthalate 0-10, perfume 0.1 part, antiseptic, and silicone antifoamer. The nail lacquer showed good drying property, gloss, adhesion, water-resistance, abrasion-resistance, and odor.

IC ICM A61K007-043

CC 62-4 (Essential Oils and Cosmetics)

IT 28854-38-8P, Poly(adamantyl methacrylate) 55067-89-5P 64114-51-8P,
Poly(isobornyl methacrylate) 143453-06-9P 146695-93-4P,
Isobornyl acrylate-isobornyl methacrylate copolymer

RL: PREP (Preparation)

(preparation of, aqueous nail lacquers containing)

IT 143453-06-9P

RL: PREP (Preparation)

(preparation of, aqueous nail lacquers containing)

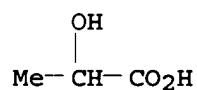
RN 143453-06-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, 2-hydroxypropanoate (9CI) (CA INDEX NAME)

CM 1

CRN 50-21-5

CMF C3 H6 O3



CM 2

CRN 26316-50-7

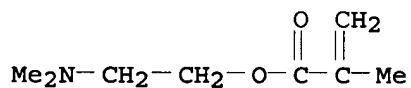
CMF (C8 H15 N O2 . C5 H8 O2 . C5 H8 O2)x

CCI PMS

CM 3

CRN 2867-47-2

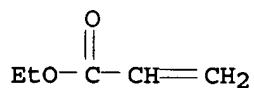
CMF C8 H15 N O2



CM 4

CRN 140-88-5

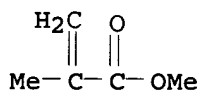
CMF C5 H8 O2



CM 5

CRN 80-62-6

CMF C5 H8 O2



DN 117:178115
TI Aqueous nail lacquers containing cationic polymer emulsions
IN Fukuda, Keiichi; Sugawara, Susumu; Hosokawa, Hitoshi; Igarashi, Tadashi;
Kondo, Akihiro
PA Kao K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04103512	A2	19920406	JP 1990-218240	19900821
PRAI	JP 1990-218240		19900821		

AB Aqueous nail lacquers contain 5-60 weight% (as solid) cationic polymer emulsions. The lacquers show water- and wear-resistance and adhesion property as good as conventional organic solvent-containing ones. Bu acrylate-N,N-dimethylaminoethyl methacrylate-Me methacrylate copolymer lactate emulsion (solid content 30%, ζ -potential 40 mV) (preparation given) 67, red colorant 1.0, H₂O 20.5, polyoxyethylene sorbitan monooleate 1.0, carbitol 5.0, di-Et phthalate 4.0, hydroxyethyl cellulose 1.2, **perfume** 0.1, an antiseptic agent 0.1, and silicone defoamer 0.1% were mixed to give an aqueous nail lacquer.

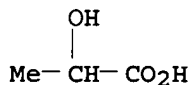
IC ICM A61K007-043
CC 62-4 (Essential Oils and Cosmetics)
IT 75374-45-7P 143753-73-5P 143820-87-5P 143820-89-7P
143820-90-0P 143866-36-8P 143866-38-0P 143866-40-4P
RL: PREP (Preparation)
(preparation of, aqueous nail lacquers containing, water- and wear-resistant)

IT 75374-45-7P
RL: PREP (Preparation)
(preparation of, aqueous nail lacquers containing, water- and wear-resistant)

RN 75374-45-7 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate and methyl 2-methyl-2-propenoate, 2-hydroxypropanoate (9CI) (CA INDEX NAME)

CM 1

CRN 50-21-5
CMF C3 H6 O3

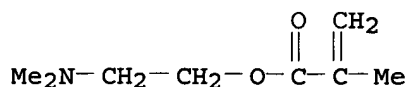


CM 2

CRN 35166-02-0
CMF (C8 H15 N O2 . C7 H12 O2 . C5 H8 O2)x
CCI PMS

CM 3

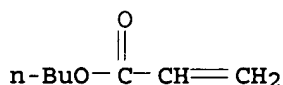
CRN 2867-47-2
CMF C8 H15 N O2



CM 4

CRN 141-32-2

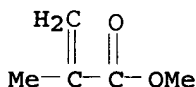
CMF C7 H12 O2



CM 5

CRN 80-62-6

CMF C5 H8 O2



L31 ANSWER 45 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:578090 HCAPLUS

DN 117:178090

TI Cationic group- and amphoteric group-containing polymers and hair preparations containing the polymers

IN Mori, Kiyoharu; Yamamoto, Koji; Ogino, Shuichi; Hirota, Hajime

PA Kao K. K., Japan; Goo Kagaku Kogyo K. K.

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04095017	A2	19920327	JP 1990-211299	19900809
PRAI	JP 1990-211299		19900809		

AB Hair preps. contain polymers having repeating units of [CH₂C(R₁)COA₁R₂N+Me₂R₃ X-] [A₁ = O, NH; R₁ = H, Me; R₂ = C₁-4 alkylene; R₃ = C₁-4 alkyl, PhCH₂, CH₂CH₂OH, 2,3-epoxypropyl, CH₂CHMeOH, CH₂CH(OH)(OCH₂CH₂)nOH; X = halo, alkyl sulfate residue; n = 1-9] 5-40, [CH₂C(R₄)COA₂R₅N+Me₂R₆CO₂-] (A₂ = O, NH; R₄ = H, Me; R₅, R₆ = C₁-4 alkylene) 40-90, and [CH₂CMeCO₂CH₂CH₂OH] 5-40 mol%. The preps. have good hair conditioning effects. N-Acylated Na L-glutamate 12.0, imidazolinium betaine derivative 8.0, coconut oil fatty acid diethanolamide 5.0, ethylene glycol distearate 2.0, aqueous solution containing 30% copolymer of 40:50:10 mol% [CH₂CMeCO₂CH₂CH₂N+Me₂Pr Cl-], [CH₂CMeCO₂CH₂CH₂N+Me₂CH₂CO₂-], and [CH₂CMeCO₂CH₂CH₂OH] (preparation given) 1.0, perfume 0.5, EtOH 1.0, and H₂O to 100 weight% were mixed to give a shampoo.

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

IT 74-96-4DP, Ethyl bromide, reaction products with aminoalkylated methacrylic copolymers and nonochloroacetic acid salt 540-51-2DP, Ethylenebromohydrin, reaction products with aminoalkylated methacrylic copolymers and nonochloroacetic acid salt 540-54-5DP, Propyl chloride, reaction products with aminoalkylated methacrylic copolymers and nonochloroacetic acid salt 3926-62-3DP, Sodium monochloroacetate, reaction products with aminoalkylated methacrylic copolymers and alkyl halides 7748-25-6DP, Potassium monochloroacetate, reaction products with aminoalkylated methacrylic copolymers and alkyl halides 31693-07-9DP, (Diethylamino)ethyl methacrylate-2-hydroxyethyl methacrylate copolymer, reaction products with alkyl halide and monochloroacetic acid salt 32963-33-0DP, (Dimethylamino)ethyl methacrylate-2-hydroxyethyl methacrylate copolymer, reaction products with alkyl halide and monochloroacetic acid salt 122912-43-0DP, reaction products with alkyl halide and monochloroacetic acid salt 143987-32-0DP, reaction products with alkyl halide and monochloroacetic acid salt

RL: PREP (Preparation)
(preparation of, for hair conditioning prepns.)

IT 31693-07-9DP, (Diethylamino)ethyl methacrylate-2-hydroxyethyl methacrylate copolymer, reaction products with alkyl halide and monochloroacetic acid salt

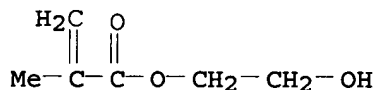
RL: PREP (Preparation)
(preparation of, for hair conditioning prepns.)

RN 31693-07-9 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(diethylamino)ethyl ester, polymer with 2-hydroxyethyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

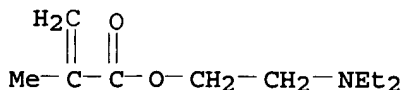
CM 1

CRN 868-77-9
CMF C6 H10 O3



CM 2

CRN 105-16-8
CMF C10 H19 N O2



L31 ANSWER 46 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1992:537450 HCAPLUS

DN 117:137450

TI Aqueous nail lacquers containing acrylic polymer emulsions

IN Sugawara, Susumu; Fukuda, Keiichi; Hosokawa, Hitoshi; Igarashi, Tadashi; Kondo, Akihiro

PA Kao K. K., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04103513	A2	19920406	JP 1990-218241	19900821
	JP 2895589	B2	19990524		
PRAI	JP 1990-218241		19900821		

AB Aqueous nail lacquers contain emulsions containing ≥ 2 acrylic polymers whose glass transition temps. (Tg) are different by $\geq 10^\circ$. The lacquers show water- and wear-resistance and adhesion property as good as conventional ones containing organic solvents. Bu acrylate-N,N-dimethylaminoethyl methacrylate-Me methacrylate copolymer emulsion (Tg 50° , solid content 30%) 90, Bu acrylate-N,N-dimethylaminoethyl methacrylate-Me methacrylate copolymer acetate emulsion (Tg 10° , solid content 30%) 10, red colorant 3, H₂O 10, carbitol 10, di-Et phthalate 5, hydroxyethyl cellulose 0.5, perfume 0.1, antiseptic agent 0.1, and silicone defoamer 0.1% were mixed to give an aqueous nail lacquer.

IC ICM A61K007-043

CC 62-4 (Essential Oils and Cosmetics)

IT 26300-51-6P, Acrylic acid-butyl acrylate-methyl methacrylate copolymer

35166-02-0P 55935-28-9P, Acrylic acid-butyl acrylate-methyl

methacrylate copolymer ammonium salt 143453-08-1P

RL: PREP (Preparation)

(preparation of, aqueous nail lacquers containing acrylic polymer and)

IT 35166-02-0P

RL: PREP (Preparation)

(preparation of, aqueous nail lacquers containing acrylic polymer and)

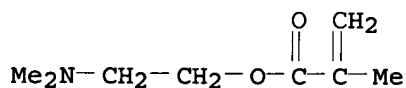
RN 35166-02-0 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate and methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 2867-47-2

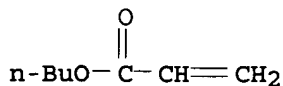
CMF C8 H15 N O2



CM 2

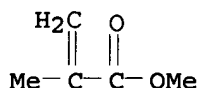
CRN 141-32-2

CMF C7 H12 O2



CM 3

CRN 80-62-6
CMF C5 H8 O2



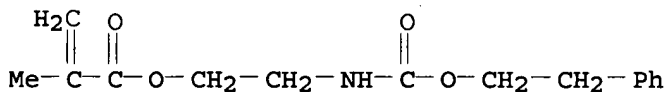
- L31 ANSWER 47 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
AN 1989:173891 HCAPLUS
DN 110:173891
TI Chemical release control: carbamates of 3-vinylphenyl and 2-methacryloyloxyethyl isocyanates and **perfume** and herbicide alcohols
AU Kamogawa, Hiroyoshi; Kohno, Hiroyuki; Kitagawa, Rikiya
CS Dep. Appl. Chem., Yamanashi Univ., Kofu, 400, Japan
SO Journal of Polymer Science, Part A: Polymer Chemistry (1989), 27(2), 487-95
CODEN: JPACEC; ISSN: 0887-624X
DT Journal
LA English
AB Polymerizable carbamates were synthesized from 3-vinylphenyl and 2-methacryloyloxyethyl isocyanates and **perfume** and herbicide alcs., such as 2-phenethyl alc., citronellol, geraniol, 1-menthol, borneol, and 2-(2,4-dichlorophenoxy)- and 2-(2,4,5-trichlorophenoxy)ethyl alcs. Copolymn. of these carbamate monomers and N-vinyl-2-pyrrolidone with AIBN in dioxane gave resp. copolymers. Hydrolyses of both monomers and copolymers, however, required severe acid conditions, although different chemical structures gave different hydrolytic behaviors.
CC 35-8 (Chemistry of Synthetic High Polymers)
Section cross-reference(s): 5, 62
ST alc **perfume** herbicide release carbamate; hydrolysis **perfume** herbicide alc carbamate; polymn **perfume** herbicide alc carbamate; vinylpyrrolidinone carbamate copolymer
IT Herbicides
 Perfumes and Essences
 (alcs., chemical release of, from carbamates)
IT Hydrolysis
 (of vinylphenyl- and methacryloyloxyethylcarbamates, **perfume** and herbicide alc. release by)
IT 120247-44-1P 120247-45-2P 120247-46-3P 120247-47-4P 120247-48-5P
120247-49-6P 120247-50-9P 120247-51-0P 120247-52-1P 120247-53-2P
120247-54-3P 120247-55-4P 120248-32-0P 120248-33-1P
120248-34-2P 120248-35-3P 120248-36-4P
120248-37-5P 120248-38-6P 120248-39-7P
120248-40-0P
RL: RCT (Reactant); SPN (Synthetic preparation); **PREP** (**Preparation**); RACT (Reactant or reagent) (preparation and hydrolysis of)
IT 16529-22-9P 30674-80-7P
RL: RCT (Reactant); SPN (Synthetic preparation); **PREP** (**Preparation**); RACT (Reactant or reagent) (preparation and reaction of, with **perfume** and herbicide alcs.)
IT 120248-34-2P
RL: RCT (Reactant); SPN (Synthetic preparation); **PREP** (**Preparation**); RACT (Reactant or reagent) (preparation and hydrolysis of)
RN 120248-34-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-[[[(2-phenylethoxy)carbonyl]amino]ethyl ester, polymer with 1-ethenyl-2-pyrrolidinone (9CI) (CA INDEX NAME)

CM 1

CRN 120247-49-6

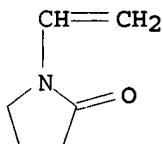
CMF C15 H19 N O4



CM 2

CRN 88-12-0

CMF C6 H9 N O



L31 ANSWER 48 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1982:498171 HCAPLUS

DN 97:98171

TI Cosmetic composition containing at least one polymer having units derived from acrylamidoglycolic acid or N-(2-oxopyrrolidinomethyl)acrylamide

IN Mahieu, Claude; Papantoniou, Christos

PA Oreal S. A., Fr.

SO Fr. Demande, 20 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2492658	A1	19820430	FR 1980-23026	19801028
	FR 2492658	B1	19870320		
PRAI	FR 1980-23026		19801028		

AB Compsns. for improving the brilliancy and holding ability of hair and for preventing skin dehydration contain the title polymers, e.g. poly(acrylamido glycolic acid) (I) [70748-29-7], acrylamidoglycolic acid-tert-butylacrylamide-Me methacrylate copolymer [82780-05-0], or poly(2-oxopyrrolidinomethyl)acrylamide [25765-49-5]. Thus, I was prepared by polymerizing 4 g acrylamidoglycolic acid in 12 g EtOH in the presence of 0.1 g azobisisobutyronitrile. A hair lotion was prepared containing I 2, perfume 0.1, EtOH 50, and H2O q.s.p. 100 g.

IC A61K007-00; C08F020-58; C08F020-60

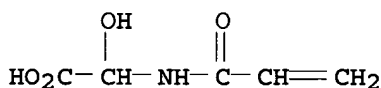
CC 62-3 (Essential Oils and Cosmetics)

IT 25765-49-5P 70748-29-7P 82779-77-9P 82780-05-0P 82780-06-1P
82780-07-2P 82780-08-3P 82780-09-4P 82780-10-7DP,
quaternized 82780-10-7P 82780-11-8P
82780-12-9P

RL: PREP (Preparation)
 (preparation of, for cosmetics and hair prepns.)
 IT 82780-10-7DP, quaternized
 RL: PREP (Preparation)
 (preparation of, for cosmetics and hair prepns.)
 RN 82780-10-7 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
 hydroxy[(1-oxo-2-propenyl)amino]acetic acid (9CI) (CA INDEX NAME)

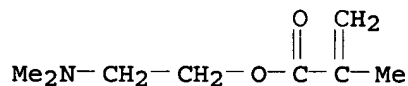
CM 1

CRN 6737-24-2
 CMF C5 H7 N O4



CM 2

CRN 2867-47-2
 CMF C8 H15 N O2

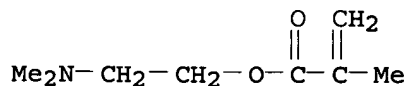


L31 ANSWER 49 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1981:575564 HCAPLUS
 DN 95:175564
 TI Cosmetic compositions containing polymers produced in the presence of
 cerium ions
 IN Jacquet, Bernard; Mondet, Jean; Papantoniou, Christos
 PA Oreal S. A. , Fr.
 SO U.S., 16 pp. Cont.-in-part of U.S. Ser. No. 740,015, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4283384	A	19810811	US 1979-5919	19790123
PRAI	US 1976-740015	A2	19761108		

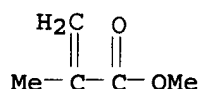
AB A cosmetic composition for application to hair or skin comprises at least 1
 polymer obtained from an unsatd. monomer (acrylate, methacrylate, etc.)
 and a compound having at least 1 OH group (gelatin, starch, cellulose,
 polyvinyl alc., etc.) in an aqueous medium in the presence Ce ions. Thus, a
 hair setting lotion prepared from a trisequenced poly(Me
 methacrylate)-poly(N-vinylpyrrolidone)-poly(Me methacrylate) copolymer (I)
 2, perfume 0.1, EtOH 50, and H2O to 100 g, applied to hair
 imparts a shiny appearance, the hair exhibiting good holding
 characteristics. I was prepared from poly(vinylpyrrolidinone) [9003-39-8]
 containing an OH function at each end of the chain and Me methacrylate in a
 solution of ceric ammonium nitrate in HNO3.

IC A61K007-043; A61K007-06; A61K007-08; A61K007-11
 INCL 424047000
 CC 62-3 (Essential Oils and Cosmetics)
 Section cross-reference(s): 35
 IT 25655-01-0DP, hydroxy group containing 26124-23-2DP, hydroxy-group containing
 26222-42-4DP, hydroxy-group containing, quaternized 28062-44-4DP,
 hydroxy-group containing 28389-80-2DP, hydroxy-group containing
 30581-59-0DP, hydroxy-group containing, quaternized 51131-54-5P
 63566-44-9P 63566-47-2DP, hydroxy-group containing, cyclized 63566-48-3DP,
 hydroxy-group containing, cyclized 63594-22-9DP, quaternized
 79509-11-8P
 RL: PREP (Preparation)
 (block, preparation of, for cosmetics)
 IT 79-06-1DP, polymers with Cellosize WP-09 and collagen 80-62-6DP,
 polymers with gelatin and Me hydroxybutyl cellulose 9004-62-0DP,
 polymers with acrylamide and collagen 9041-56-9DP, polymers with gelatin
 and Me methacrylate 25154-86-3DP, polymers with gelatin,
 quaternized 25154-86-3DP, quaternized 25267-41-8P
 26008-54-8P 38317-05-4DP, quaternized 53682-65-8P
 56388-71-7DP, hydrolyzed, quaternized 61469-13-4DP,
 quaternized 61577-13-7P 61910-30-3P 63603-48-5P 63603-51-0DP
 , quaternized 63603-54-3DP, quaternized 63603-57-6P
 63603-58-7P 63666-94-4DP, hydrolyzed, quaternized
 79509-12-9DP, hydroxy-group containing
 RL: PREP (Preparation)
 (graft, preparation of, for cosmetics)
 IT 9003-39-8DP, hydroxy-terminated 25086-89-9DP, hydrolyzed
 25154-86-3DP, hydroxy-terminated, quaternized 25609-89-6DP,
 hydrolyzed 63566-49-4DP, hydroxy-terminated 63566-49-4P
 RL: PREP (Preparation)
 (preparation of, as prepolymer in preparation of polymers for cosmetics)
 IT 63603-49-6DP, quaternized
 RL: PREP (Preparation)
 (star-block, preparation of, for cosmetics)
 IT 26222-42-4DP, hydroxy-group containing, quaternized
 RL: PREP (Preparation)
 (block, preparation of, for cosmetics)
 RN 26222-42-4 HCAPLUS
 CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with
 methyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)
 CM 1
 CRN 2867-47-2
 CMF C8 H15 N O2



CM 2

CRN 80-62-6
 CMF C5 H8 O2



L31 ANSWER 50 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1978:78964 HCAPLUS
 DN 88:78964
 TI N-Alkylacrylamide or -methacrylamide mixed polymers and cosmetic compositions containing them
 IN Mahieu, Claude; Papantoniou, Christos
 PA Oreal S. A., Fr.
 SO Ger. Offen., 37 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2715297	A1	19771027	DE 1977-2715297	19770405
	BE 853252	A1	19771005	BE 1977-176427	19770405
	NL 7703734	A	19771010	NL 1977-3734	19770405
	JP 52123480	A2	19771017	JP 1977-38199	19770405
	JP 62013364	B4	19870326		
	FR 2432528	A1	19800229	FR 1977-10221	19770405
	FR 2432528	B1	19810213		
	GB 1572555	A	19800730	GB 1977-14452	19770405
	CH 622272	A	19810331	CH 1977-4295	19770405
	AT 7702359	A	19810415	AT 1977-2359	19770405
	AT 364707	B	19811110		
	BR 7702204	A	19780725	BR 1977-2204	19770406
	CA 1108056	A1	19810901	CA 1977-275728	19770406
	US 4289752	A	19810915	US 1978-959623	19781113
PRAI	LU 1976-74707	A	19760406		
	LU 1976-75371	A	19760712		
	US 1977-783632	A3	19770401		

AB N-alkylacrylamide or N-alkylmethacrylamide copolymers are prepared and used in 2-30% concns. in cosmetic formulations such as hair sprays, setting lotions, and nail lacquers. For example, a N-tert-butylacrylamide-N-hydroxymethylacrylamide-Me methacrylate copolymer (I) [65447-69-0] was prepared by polymerization of the monomers in EtOH at 80° in the presence of azobis(isobutyronitrile). An aqueous setting lotion was prepared from I 2, perfume 0.1, EtOH 45, and H2O to 100 g. When applied to hair in the usual way, the lotion left the hair glossy and with good curl retention.

IC C08F220-56

CC 62-3 (Essential Oils and Cosmetics)

IT	65396-46-5P	65396-47-6P	65396-48-7P	65396-49-8P	65396-50-1P
	65396-51-2P	65396-52-3P	65396-53-4P	65396-54-5P	65396-55-6P
	65396-56-7P	65396-57-8P	65396-58-9P	65396-59-0P	65396-60-3P
	65396-61-4P	65396-62-5P	65396-63-6P	65396-64-7P	
	65396-65-8P	65447-69-0P	65455-88-1P	65455-89-2P	

RL: PREP (Preparation)

(preparation of, for hair preps. and nail lacquers)

IT 65396-64-7P

RL: PREP (Preparation)

(preparation of, for hair preps. and nail lacquers)

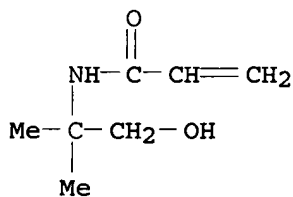
RN 65396-64-7 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with 2-(dimethylamino)ethyl
2-methyl-2-propenoate, N-(1,1-dimethylethyl)-2-propenamide,
N-(2-hydroxy-1,1-dimethylethyl)-2-propenamide and methyl
2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

CRN 13880-03-0

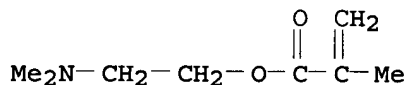
CMF C7 H13 N O2



CM 2

CRN 2867-47-2

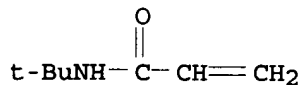
CMF C8 H15 N O2



CM 3

CRN 107-58-4

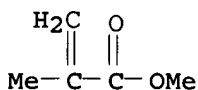
CMF C7 H13 N O



CM 4

CRN 80-62-6

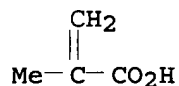
CMF C5 H8 O2



CM 5

CRN 79-41-4

CMF C4 H6 O2



L31 ANSWER 51 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1978:65868 HCAPLUS

DN 88:65868

TI N-Alkylacrylamide or -methacrylamide terpolymers and higher polymers, and cosmetic compositions containing them

IN Mahieu, Claude; Papantoniou, Christos

PA Oreal S. A., Fr.

SO Ger. Offen., 25 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2715296	A1	19771027	DE 1977-2715296	19770405
	BE 853251	A1	19771005	BE 1977-176426	19770405
	NL 7703735	A	19771010	NL 1977-3735	19770405
	JP 52123482	A2	19771017	JP 1977-38200	19770405
	JP 62013365	B4	19870326		
	FR 2360615	A1	19780303	FR 1977-10220	19770405
	FR 2360615	B1	19810213		
	GB 1572626	A	19800730	GB 1977-14451	19770405
	CH 622024	A	19810313	CH 1977-4296	19770405
	AT 7702358	A	19810415	AT 1977-2358	19770405
	AT 364706	B	19811110		
	BR 7702205	A	19780725	BR 1977-2205	19770406
	CA 1111193	A1	19811020	CA 1977-275689	19770406
PRAI	LU 1976-74708	A	19760406		
	LU 1976-75370	A	19760712		

AB N-alkylacrylamide or N-alkylmethacrylamide terpolymers are prepared for use in hair sprays and aqueous setting lotions which impart especially good curl retention to human hair. For example, an acrylamide-Me methacrylate-N-tert-butylacrylamide copolymer (I) [65396-72-7] was prepared by polymerization of the monomers in EtOH at 80° in the presence of azobis(isobutyronitrile). An aqueous setting lotion was prepared from I 2, perfume 0.1, EtOH 45 and H2O to give 100 g. This lotion imparted gloss and good curl retention when applied to hair.

IC C08F220-56

CC 62-3 (Essential Oils and Cosmetics)

IT 65396-72-7P 65396-73-8P 65396-74-9P 65396-75-0P 65396-76-1P
 65396-77-2P 65396-78-3P 65396-79-4P 65396-80-7P
 65396-81-8P 65396-82-9P 65396-83-0P 65455-85-8P
 65455-86-9P 65455-87-0P

RL: PREP (Preparation)

(preparation of, for hair preps. and nail lacquers)

IT 65396-78-3P

RL: PREP (Preparation)

(preparation of, for hair preps. and nail lacquers)

RN 65396-78-3 HCAPLUS

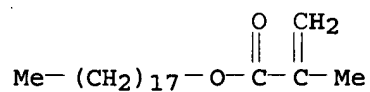
CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with N-(1,1-dimethylethyl)-2-propenamide, methyl 2-methyl-2-propenoate,

octadecyl 2-methyl-2-propenoate and 2-propenamide (9CI) (CA INDEX NAME)

CM 1

CRN 32360-05-7

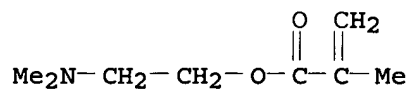
CMF C22 H42 O2



CM 2

CRN 2867-47-2

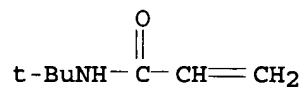
CMF C8 H15 N O2



CM 3

CRN 107-58-4

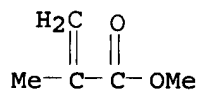
CMF C7 H13 N O



CM 4

CRN 80-62-6

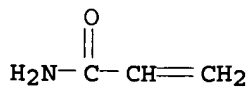
CMF C5 H8 O2



CM 5

CRN 79-06-1

CMF C3 H5 N O



L31 ANSWER 52 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1977:473233 HCAPLUS
 DN 87:73233
 TI Cosmetic compositions
 IN Jacquet, Bernard; Mondet, Jean; Papantoniou, Christos
 PA Oreal S. A., Fr.
 SO Ger. Offen., 48 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2646675	A1	19770421	DE 1976-2646675	19761015
	DE 2646675	B2	19800306		
	DE 2646675	C3	19801023		
	BE 847267	A1	19770414	BE 1976-171499	19761014
	FR 2327761	A1	19770513	FR 1976-30886	19761014
	FR 2327761	B1	19810529		
	CH 620115	A	19801114	CH 1976-13028	19761014
	JP 52054034	A2	19770502	JP 1976-123009	19761015
	GB 1541670	A	19790307	GB 1976-42951	19761015
	CA 1091156	A1	19801209	CA 1976-263480	19761015
PRAI	LU 1975-73587	A	19751015		

AB Block copolymers obtained by polymerizing an unsatd. monomer and an OH--group containing compound in the presence of Ce ions are used in various cosmetic compns., such as hair lotions, shampoos, nail lacquers, skin creams, etc. For example, a block Me methacrylate-N-vinylpyrrolidone copolymer [25655-01-0] was prepared by mixing an aqueous solution of polyvinylpyrrolidone prepolymer containing 2-OH end groups, Me methacrylate, and a solution of (NH4)2Ce(NO3)6 in HNO3. The mixture was kept at room temperature for 4 h, and poured into an iso-PrOH-Et2O mixture to precipitate the polymer. A hair setting lotion was formulated containing 2 g of the block polymer dissolved in 50 g EtOH, 0.1 g perfume and H2O up to 100 g. The lotion made the hair shiny and gave excellent style retention.

IC A61K007-00

CC 62-1 (Essential Oils and Cosmetics)

Section cross-reference(s): 36

IT 80-62-6DP, polymer with gelatin 2867-47-2DP, polymers with collagen or gelatin, quaternized with ethyl bromide 25214-47-5P 26008-54-8P
 53682-65-8P 61910-30-3P 63566-47-2P 63603-48-5P 63603-50-9P
 63603-52-1P 63603-53-2P 63603-55-4P
 63603-56-5P 63603-57-6P 63603-58-7P 63603-59-8P 63604-68-2P
 63666-93-3P 63666-95-5P 63666-96-6P

RL: PREP (Preparation)

(block, graft, preparation of, for cosmetic and hair preps.)

IT 63566-48-3P 63594-23-0P

RL: PREP (Preparation)

(block, preparation of, for cosmetic and hair preps.)

IT 25655-01-0P 26124-23-2P 28062-44-4P 28389-80-2P 63566-44-9P
 63566-46-1P

RL: PREP (Preparation)

(block, preparation of, for cosmetics and hair preps.)

IT 58883-60-6P

RL: PREP (Preparation)

(preparation of, for cosmetics and hair preps.)

IT 63603-50-9P

RL: PREP (Preparation)

(block, graft, preparation of, for cosmetic and hair prepns.)

RN 63603-50-9 HCAPLUS

CN Cellulose, methyl ether, polymer with 2-(dimethylamino)ethyl
2-methyl-2-propenoate, compd. with bromoethane (9CI) (CA INDEX NAME)

CM 1

CRN 74-96-4

CMF C2 H5 Br

 $\text{Br}-\text{CH}_2-\text{CH}_3$

CM 2

CRN 63603-49-6

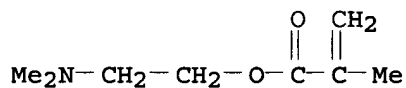
CMF (C8 H15 N O2 . C H4 O . x Unspecified)x

CCI PMS

CM 3

CRN 2867-47-2

CMF C8 H15 N O2



CM 4

CRN 9004-67-5

CMF C H4 O . x Unspecified

CM 5

CRN 9004-34-6

CMF Unspecified

CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 6

CRN 67-56-1

CMF C H4 O

 $\text{H}_3\text{C}-\text{OH}$

L31 ANSWER 53 OF 53 HCAPLUS COPYRIGHT 2006 ACS on STN

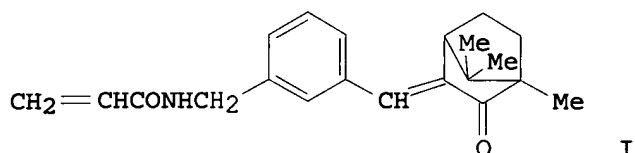
AN 1976:468139 HCAPLUS

DN 85:68139

TI Cosmetic preparations containing ultraviolet light-absorbing polymers
 PA Oreal S. A., Fr.
 SO Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 50025740	A2	19750318	JP 1973-73001	19730629
	JP 59029562	B4	19840721		
PRAI	JP 1973-73001	A	19730629		

GI



AB Cosmetic preps. (especially suntan lotions) containing the uv-absorbing polymers or copolymers [CH₂CH(CONHCH₂Z)]_n, prepared from CH₂:CHCONHCH₂Z [Z = uv (280-315 nm) absorbing aromatic group], are capable of preventing sunlight-induced inflammation. Thus, 3-(acrylamidomethylbenzidylene)-DL-camphor (I) and N-vinylpyrrolidone were polymerized to give a copolymer (II) [55511-51-8]. A spray contained II 10, Sipol wax 3.5, petrolatum 6, isopropyl myristate 3, Me p-hydroxybenzoate 0.3, glycerol 10, perfume 0.3 and H₂O 100 g and F12.

IC A61K007-42

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 35

IT 79-06-1DP, 2-Propenamide, N-aryl derivative polymers 55511-48-3P
 55511-51-8P 55511-52-9P 55511-53-0P 55511-54-1P 55511-58-5P
 55511-59-6P 55851-88-2P 55903-04-3P 55903-05-4P 56698-85-2P
 59936-68-4P 59941-56-9P

RL: PREP (Preparation)

(preparation of, for sunscreens)

IT 56698-85-2P

RL: PREP (Preparation)

(preparation of, for sunscreens)

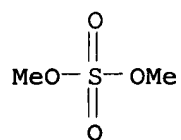
RN 56698-85-2 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with N-[[3-[(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-ylidene)methyl]phenyl]methyl]-2-propenamide, compd. with dimethyl sulfate (9CI) (CA INDEX NAME)

CM 1

CRN 77-78-1

CMF C2 H6 O4 S



CM 2

CRN 55511-50-7

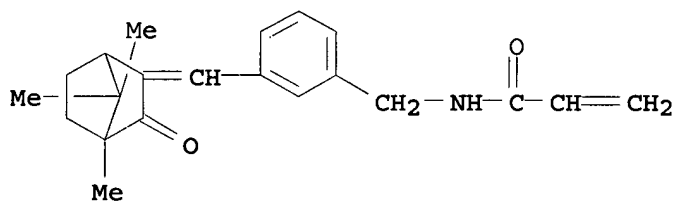
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CCI PMS

CM 3

CRN 52367-29-0

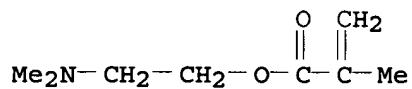
CMF C21 H25 N O2



CM 4

CRN 2867-47-2

CMF C8 H15 N O2



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